SANYO

FILE NO.

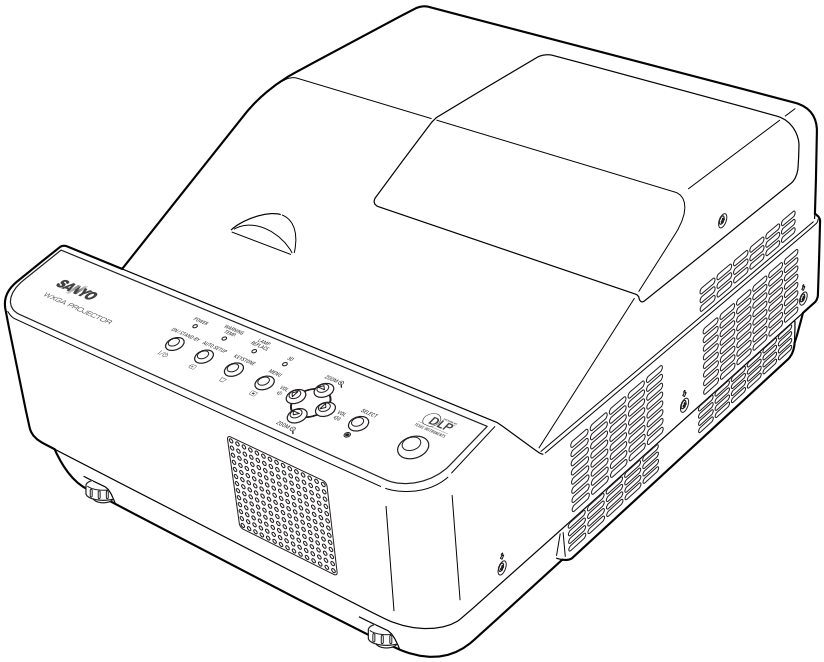
SERVICE MANUAL

Multimedia Projector

Model No. PDG-DWL2500

U.S.A, Canada, Europe,
U.K, Asia, Brazil

Original Version



Chassis No. KG8-DWL250000

Match the Chassis No. on the rating label on the projector with the Chassis No. in the Service Manual.
If the Original Version Service Manual Chassis No. does not match the projector's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing.

PRODUCT CODE
1 122 525 00 (KG8AC)
1 122 525 04 (KG8EC)
1 122 526 00 (LG8AC)
1 122 526 02 (LG8CC)
1 122 526 03 (LG8DC)

REFERENCE NO. SM5111271-00

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Safety Instructions

Safety Precautions

WARNING:
The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line (⏦) in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed.

1: An isolation transformer should be connected in the power line between the projector and the AC line before any service is performed on the projector.

2: Comply with all caution and safety-related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.

3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, etc.

DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.

4: Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any projector to the customer, the service personnel must be sure it is completely safe to operate without danger of electric shock.

Product Safety Notice

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark ! in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of there parts must be made by exactly the same parts.

Service Personnel Warning

Eye damage may result from directly viewing the light produced by the Lamp used in this equipment. Always turn off Lamp before opening cover. The Ultraviolet radiation eye protection required during this servicing.
Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages (15kV - 25kV) at its starts.
Since the lamp is very high temperature during units operation replacement of the lamp should be done at least 45 minutes after the power has been turned off, to allow the lamp cool-off.

Specifications

Mechanical Information

Projector Type	Multi-media Projector
Dimensions (W x H x D)	12.6" x 6.7" x 15.2" (321.0 mm x 170.0 mm x 385.0 mm) (Not including protrusions)
Net Weight	13.7 lbs (6.2 kg)
Feet Adjustment	-1.3˚ – +3.8˚

DLP Chip

Projection System	0.65" Single DLP chip, 6 segment Color Wheel
Number of Pixels	1,024,000 pixels (1,280 x 800 dots)

Signal Compatibility

Color System	PAL, SECAM, NTSC, NTSC4.43, PAL-M, and PAL-N
SD/HDTV Signal	Component: 480i, 480p, 575i, 575p, 720p and 1080i HDMI; 480p, 575p, 720p and 1080i
Input Scanning Frequency	H-sync. 15 kHz-93 kHz, V-sync. 50-120 Hz

Optical Information

Projection Image Size (Diagonal)	Adjustable from 60” to 110”
Throw Distance	0.75’ - 1.49' (23.0 cm - 45.5 cm)
Projection Lens	F 2.5 lens with f 4.83 mm with manual focus
Projection Lamp	275 W

Interface

Video Input Jack	RCA Type x 1
S-Video Input Jack	Mini DIN 4 pin x 1
Audio Input Jacks	RCA Type x 2
Computer Input 1 / Component Input Terminal	Analog RGB (Mini D-sub 15 pin) Terminal x 1
Computer Input 2 / Monitor Output Terminal	Analog RGB (Mini D-sub 15 pin) Terminal x 1 (In/Out switchable)
Computer 1/ Component Audio Input Jack	Mini Jack (stereo) x 1
Computer 2 Audio Input Jack	Mini Jack (stereo) x 1
Audio Output Jack	Mini Jack (stereo) x 1 (Variable)
HDMI	HDMI (V.1.3 with Deep Color) x 1
Control port	D-sub 9 pin x 1
LAN Connection Terminal	RJ-45 x 1
3D Sync Output	Mini DIN 3 pin x 1

Audio

Internal Audio Amp	10 W RMS
Built-in Speaker	1 speaker, ø1.46" (37 mm)

Power

Voltage and Power Consumption	AC 100–120 V (4.4 A Max. Ampere), 50/60 Hz (The U.S.A and Canada) AC 100–240 V (4.4 - 2.3 A Max. Ampere), 50/60 Hz (For other countries)

Operating Environment

Operating Temperature	41˚F–104˚F (5 ˚C–40 ˚C)
Storage Temperature	14˚F–140˚F (-10˚C–60 ˚C)

Remote Control

Battery	AAA or LR03 1.5V ALKALINE TYPE x 2
Operating Range	16.4' (5 m)/±30˚
Dimensions	2.0" (W) x 0.7" (H) x 4.3" (D) (52 mm x 18 mm x 110 mm)
Net Weight	2.37 oz (67 g) (including batteries)

Accessories

- ❑ Owner’s Manual(CD-ROM)
- ❑ Quick Reference Guide
- ❑ AC Power Cord
- ❑ Remote Control and Batteries
- ❑ VGA Cable
- ❑ PIN Code Label

- The specifications are subject to change without notice.
- DLP chips are manufactured to the highest possible standards. A tiny fraction of pixels may be ineffective or always lit, but this is not a malfunction.

c UL US LISTED

This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.

Circuit Protections

This projector provides the following circuit protections to operate in safety. If the abnormality occurs inside the projector, it will automatically turn off by operating one of the following protection circuits.

Thermal switch

There is the thermal switch (SW902) inside of the projector to detect the internal temperature rising abnormally. When the internal temperature reaches near 120˚C, the thermal switch opens to cut off the power to the power circuit.

The thermal switch can be reset itself automatically when the internal temperature becomes normal.

When the internal temperature reaches near 80˚C, the thermal switch returns automatically.

Lamp cover switch

The lamp cover switch (SW901) cuts off the drive signal to the lamp circuit when the lamp cover is removed or not closed completely. After opening the lamp cover for replacing the lamp ass'y, place the lamp cover correctly otherwise the projector can not turn on.

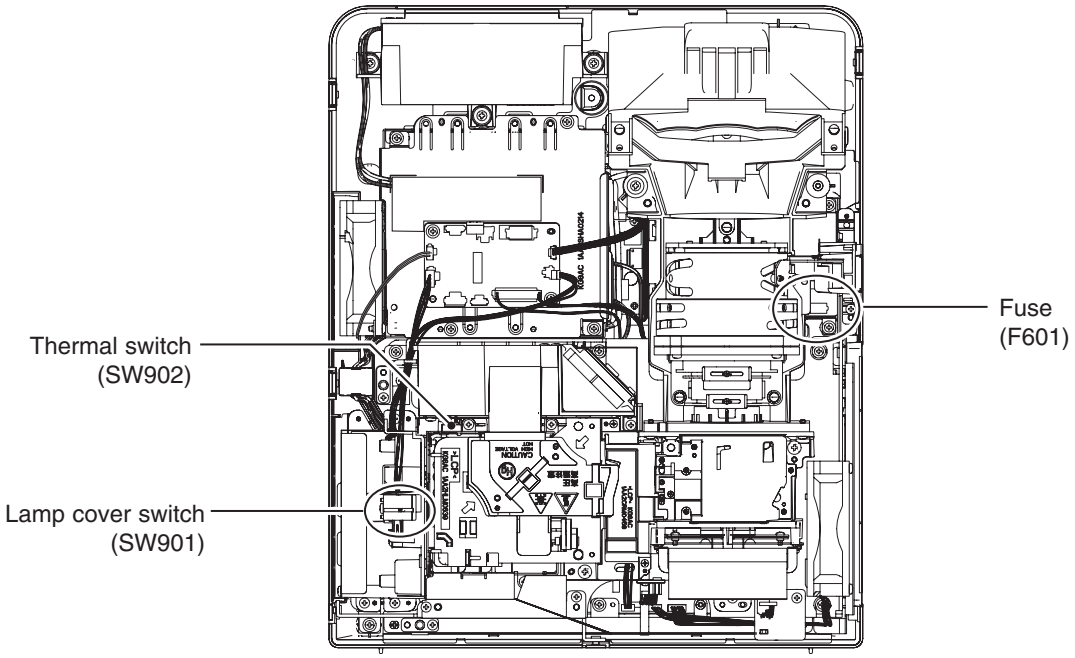
Fuse

A fuse is located inside of the projector. When the POWER indicator is not lighting, the fuse may be opened. Check the fuse as following steps.
The fuse should be used with the type listed right;

Fuse Part No.: 323 025 1204
TYPE 8A 250V FUSE
LITTLE FUSE INC. TYPE 215008

How to replace the fuse

1. The fuse is placed on the filter board behind the optical unit. Remove the cabinet top.
2. Take the fuse off from the filter board, and replace the new one with the specified type.



Warning temperature and power failure protection

The projector will be automatically turned off when the internal temperature of the projector is abnormally high, or the cooling fans stop spinning, or the power supplies in the projector are failed.

- If both of the POWER and WARNING TEMP. indicators are flashing, it may detect the abnormal temperature inside the projector. Check the following possible causes and wait until the POWER indicator stops flashing, and then try to turn on the projector.
- If the WARNING TEMP. indicator lights red, it may defect the cooling fans or power supply circuits. Check fans operation and power supply lines referring to the chapter “Power supply & protection circuit” in the Chassis Block Diagram section.

Possible causes

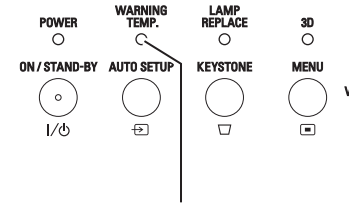
- Air filters are clogged with dust particles. Remove dust from the air filters by following instructions in the “Air filter care and cleaning” below.
- Ventilation slots of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- Check if projector is used at higher temperature place (Normal operating temperature is 5 to 40 ˚C or 41 to 104˚F)

The projector is shut down and the WARNING TEMP. indicator lights red.

When the projector detects an abnormal condition, it is automatically shut down to protect the inside of the projector and the WARNING TEMP. indicator lights red. In this case, unplug the AC power cord and reconnect it, and then turn the projector on once again to verify operation. If the projector cannot be turned on and the WARNING TEMP. indicator still lights red, unplug the AC power cord and contact the service station.

CAUTION
DO NOT LEAVE THE PROJECTOR WITH THE AC POWER CORD CONNECTED UNDER AN ABNORMAL CONDITION. IT MAY RESULT IN FIRE OR ELECTRIC SHOCK.

Indicators



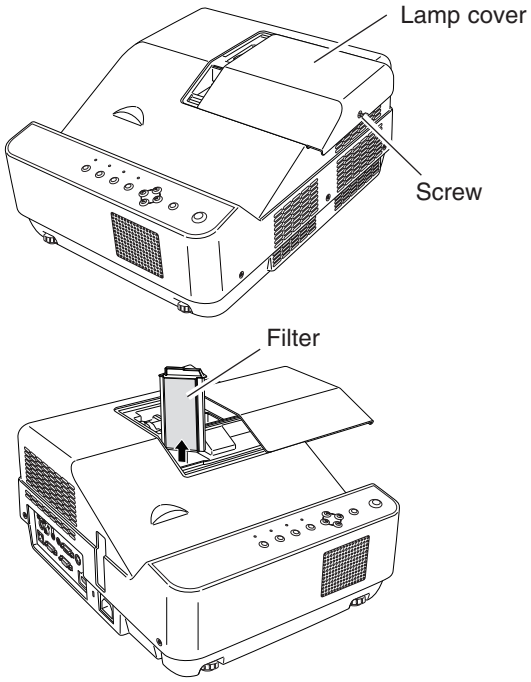
WARNING TEMP.
emit a red light

Maintenance

Replacing the Filter

Filter prevents dust from accumulating on the optical elements inside the projector. Should the filter become clogged with dust particles, it will reduce cooling fans' effectiveness and may result in internal heat buildup and adversely affect the life of the projector. If a "Filter warning" icon appears on the screen, replace the filter immediately by following the steps below.

1. Turn off the projector, and unplug the AC power cord from the AC outlet.
2. First, clean up the dust on the projector and around the air vents.
3. Loosen the screw and open the lamp cover and lift the filter out of the projector.
4. Reinstall the filter completely and close the lamp cover and secure the screw.
5. Connect the AC power cord to the projector and turn on the projector.
6. Reset the filter counter.



CAUTION

- Do not operate the projector with the filter removed. Dust may accumulate on the optical elements degrading picture quality.
- Do not put anything into the air vents. Doing so may result in malfunction of the projector.
- Do not wash the filter with water or any other liquid matter. Otherwise the filter may be damaged.

RECOMMENDATION

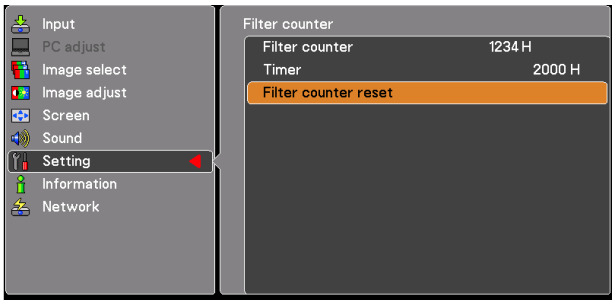
We recommend avoiding dusty/smoky environments when you operate the projector. Usage in these environments may cause poor image quality.
When using the projector under dusty or smoky conditions, dust may accumulate on a lens, or optical elements inside the projector degrading the quality of a projected image. When the symptoms above are noticed, clean up the lens or other optical parts by referring to the chapter "Cleaning the projector".

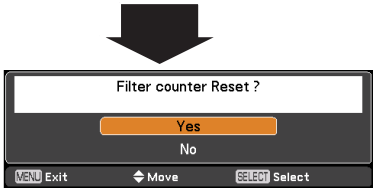
Resetting the Filter Counter

Be sure to reset the Filter counter after replacing the filter.

1. Press the **MENU** button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Setting** and then press the Point ▶ or **SELECT** button.
2. Use the Point ▲▼ buttons to select **Filter counter** and then press the Point ▶ or the **SELECT** button. Use the Point ▲▼ buttons to select **Filter counter reset** and then press the **SELECT** button. **Filter counter Reset?** appears. Select **Yes** to continue.
3. Another confirmation dialog box appears, select **Yes** to reset the Filter counter.

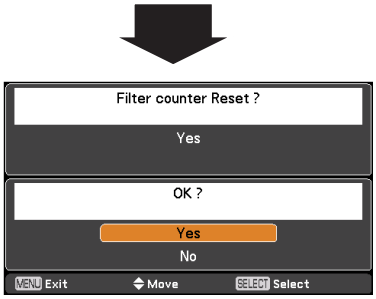
Filter counter





Filter counter Reset? appears.

Select **Yes**, then another confirmation box appears.



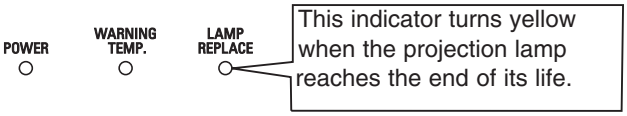
Select **Yes** again to reset the Filter counter.

Lamp Replacement

When the projection lamp of the projector reaches its end of life, the Lamp replacement icon appears on the screen and LAMP REPLACE indicator lights yellow. Replace the lamp with a new one promptly. The timing when the LAMP REPLACE indicator should light is depending on the lamp mode.

WARNING:
TURN OFF THE UV LAMP BEFORE OPENING THE LAMP COVER

Top Panel



Lamp replacement icon

Note:
The Lamp replacement icon will not appear when the Display function is set to Off, during Freeze, or No show.

CAUTION

When replacing the lamp because it has stopped illuminating, there is a possibility that the lamp may be broken. If replacing the lamp of a projector which has been installed on the ceiling, you should always assume that the lamp is broken, and you should stand to the side of the lamp cover, not underneath it. Remove the lamp cover gently. Small pieces of glass may fall out when the lamp cover is opened. If pieces of glass get into your eyes or mouth, seek medical advice immediately.

CAUTION

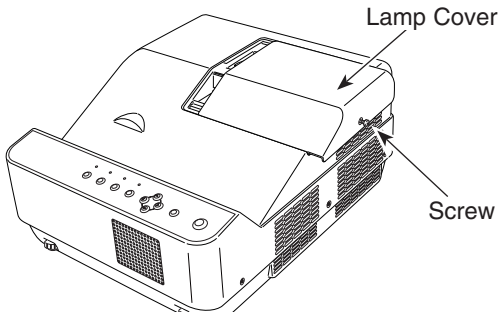
Allow a projector to cool for at least 45 minutes before you open the Lamp Cover. The inside of the projector can become very hot.

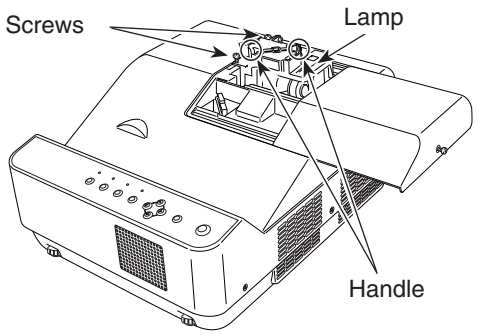
CAUTION

For continued safety, replace with a lamp of the same type. Do not drop a lamp or touch a glass bulb! The glass can shatter and may cause injury.

Follow these steps to replace the lamp.

1. Turn off the projector and unplug the AC power cord. Let the projector cool for at least 45 minutes.
2. Loosen the screw and open the lamp cover.
3. Loosen the two (2) screws that secure the lamp. Lift the lamp out of the projector by using the handle.
4. Replace the lamp with a new one and secure the two (2) screws. Make sure that the lamp is set properly. Close the lamp cover and secure the screw.
5. Connect the AC power cord to the projector and turn on the projector.
6. **Reset the lamp counter.**
   See “Resetting the Lamp Counter” on the next page.





ORDER REPLACEMENT LAMP

Replacement lamp can be ordered through your dealer. When ordering a projection lamp, give the following information to the dealer.

Replacement Lamp Type No. : POA-LMP143
Service Parts No. : 610 351 3744

Resetting the Lamp Counter

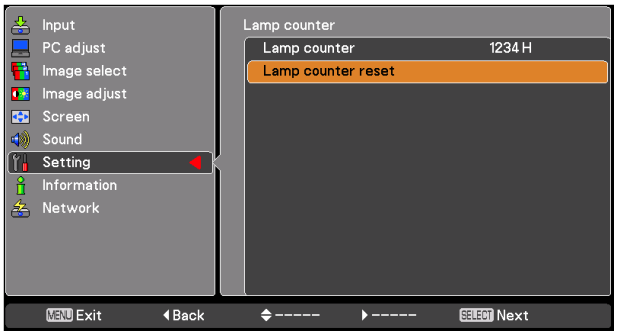
Be sure to reset the Lamp counter after the lamp is replaced. When the Lamp counter is reset, the LAMP REPLACE indicator stops lighting and the Lamp replacement icon disappears.

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Setting** and then press the Point ▶ or the **SELECT** button.

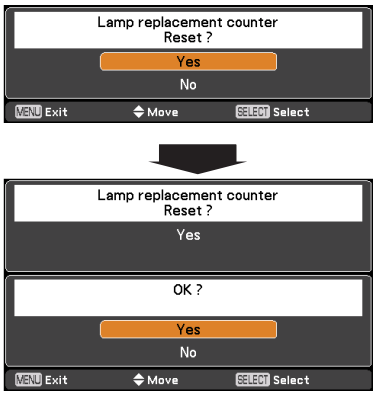
2 Use the Point ▲▼ buttons to select **Lamp counter** and then press the **SELECT** button. Use the Point ▲▼ buttons to select **Lamp counter reset** and then press **SELECT** button. **Lamp replacement counter Reset?** appears. Select **Yes** to continue.

3 Another confirmation dialog box appears, select **Yes** to reset the Lamp counter.

Lamp counter reset



Note:
Do not reset the Lamp counter without implementing lamp replacement. Be sure to reset the Lamp counter only after replacing the lamp.



Lamp replacement counter Reset? appears.

Select **Yes**, then another confirmation box appears.

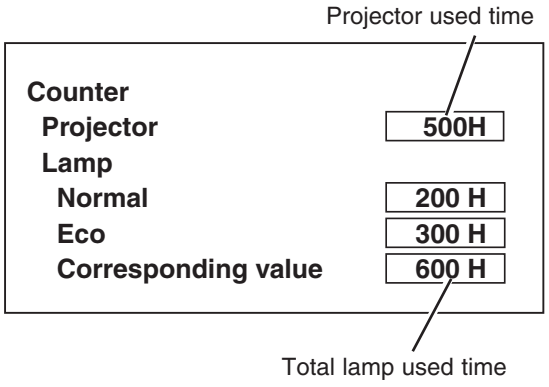
Select **Yes** again to reset the Lamp counter.

How to check Lamp Used Time

The LAMP REPLACE indicator will light yellow when the total lamp used time (Corresponding value) reaches 3,000 hours. This is to indicate that lamp replacement is required.
The total lamp used time is calculated by using the below expression,
Total lamp used time (Corresponding value)
= **T***eco* + **T***normal* x 1.5

T*normal* : used time in the normal mode
T*eco* : used time in the eco mode

You can check the lamp used time following to the below procedure.
1 Press and hold the **ON/STAND-BY** button on the remote control for more than 20 seconds.
2 The projector used time and lamp used time will be displayed on the screen briefly as follows.



Cleaning

After long periods of use, dust and other particles will accumulate on the optical parts, mirror, color wheel, lens etc., causing the picture to darken or color to blur. If this occurs, remove dust and other particles using air spray. Before taking the cleaning, turn off the projector and allow the projector to cool for more than 45 minutes. Never disassemble the optical unit, mirror or projection lens because those parts are aligned preciously in the factory . If do so, the projector may have the miss-alignment in optical and reduce the optical performance.

Cleaning the Color Wheel

- The color wheel is made of thin glass. Be very careful when handing the color wheel.
- In case of fingerprints, etc. on the surface, gently wipe with a Cleaning Cloth for optical parts that contains a small amount of non-abrasive camera lens cleaner to clean the surface.
- Do not use detergents as this could cause peeling of the color filter.

Cleaning the Reflecting Mirror

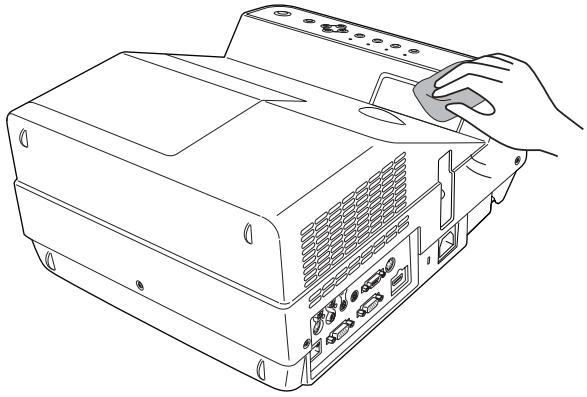
- Be careful not to touch the reflecting mirror. Touching it directly with the hands may cause reducing the burnishing.
- Do not clean other than with air.

Caution:

The optical components may have a crack or spot when you use the air spray directly to the optical components while they are in the state of hot. Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be very careful not to damage optical parts with the nozzle tip.

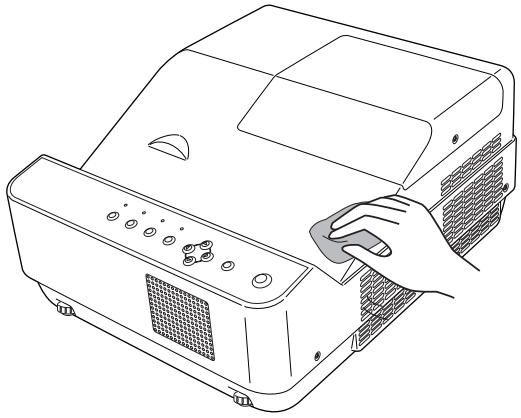
Cleaning the Projection Window

Unplug the AC power cord before cleaning.
First, remove the dust with a commercially available air blower. Then gently wipe the projection window surface. Use a cleaning paper moistened with methyl alcohol (methanol). Avoid using an excessive amount of cleaner.
Do not use abrasive cleaners, solvents, or other harsh chemical cleaners to avoid damaging the projection window.



Cleaning the Projector Cabinet

Unplug the AC power cord before cleaning.
Gently wipe the projector body with a soft dry cleaning cloth. When the cabinet is heavily soiled, use a small amount of mild detergent and finish with a soft dry cleaning cloth. Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents, or other harsh chemicals might scratch the surface of the cabinet.
When the projector is not in use, put the projector in an appropriate carrying case to protect it from dust and scratches.



CAUTION
Do not use any flammable solvents or air sprays on the projector and in its vicinity. The explosion or fire hazard may occur even after the AC power cord is unplugged because the temperature inside the projector is extremely high due to the lamps. In addition, there is a risk that the internal parts may be damaged not only by the flammable air spray but also by the cold air.

Security Function Notice

This projector provides security functions such as "Key lock", "PIN code lock" and "Logo PIN code lock". When the projector has set these security function on, you are required to enter correct PIN code to use the projector. If you do not know the correct PIN code to the projector, the projector can no longer be operated or started. In this case, you must reset those function first according to the resetting procedure described below and then check up on the projector.

Function	Description
Key lock	Locks operation of the side control or the remote control. If the Key lock is enabled with side control lock, the projector can no longer be started. *Initial setting: Key lock function is disabled*
PIN code lock	Prevents the projector from being operated by an unauthorized person. *Initial code: "1234"*
Logo PIN code lock	Prevents an unauthorized person for changing the start-up logo on the screen. *Initial code: "4321"*

Resetting procedure

1 Disconnect the AC power cord from the AC outlet.
2 As pressing the **SELECT** button, connect the AC power cord into an AC outlet again.
3 Keep pressing the **SELECT** button and then press the **ON/STAND-BY** button.
4 Release the **ON/STAND-BY** button first and then release the **SELECT** button.
- The PIN code lock and Logo PIN code lock will be reset as the initial PIN code at the factory and the Key lock function is disabled.

Please refer to the owner's manual for further information of the security functions.

Standby Mode Notice

This projector provides 2 types of standby mode, Eco standby and Network standby. According to the standby mode "Eco" or "Network", several functions are restricted as shown in the table below. To change the standby mode, use the projector's menu "Setting".

Network .....Supply the power to the network function even after turning off the projector. You can turn on /off the projector via network, modify network environment, and receive an e-mail about projector status while the projector is powered off.

Eco .....Select "Eco" when you do not use the projector via network. The projector's network function will stop when turning off the projector.

When "Eco" is selected, several functions will be restricted.

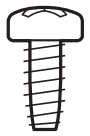
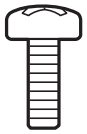
Function in the standby mode

Function	Eco	Network
Serial command control	-- *1	✔
Network Function	--	✔
Monitor Out	--	✔
Audio Out	--	--
Direct On	✔	✔

*1 Effective only Power-On command.

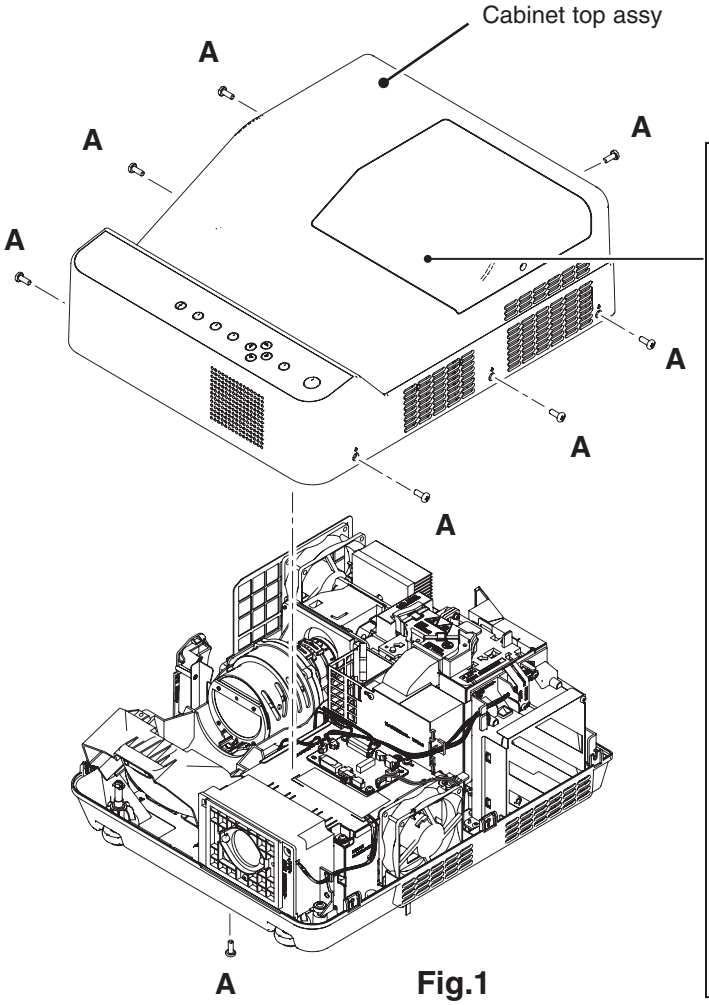
Mechanical Disassembly

Mechanical disassembly should be made following procedures in numerical order.
Following steps show the basic procedures, therefore unnecessary step may be ignored.
Caution:
The parts and screws should be placed exactly the same position as the original otherwise it may cause loss of performance and product safety.

Screws Expression (Type Diameter x Length) mm	
T type	M Type
	

1 Cabinet Top removal

1. Remove 8 screws A(M3x8) to remove the cabinet top assy upward off.



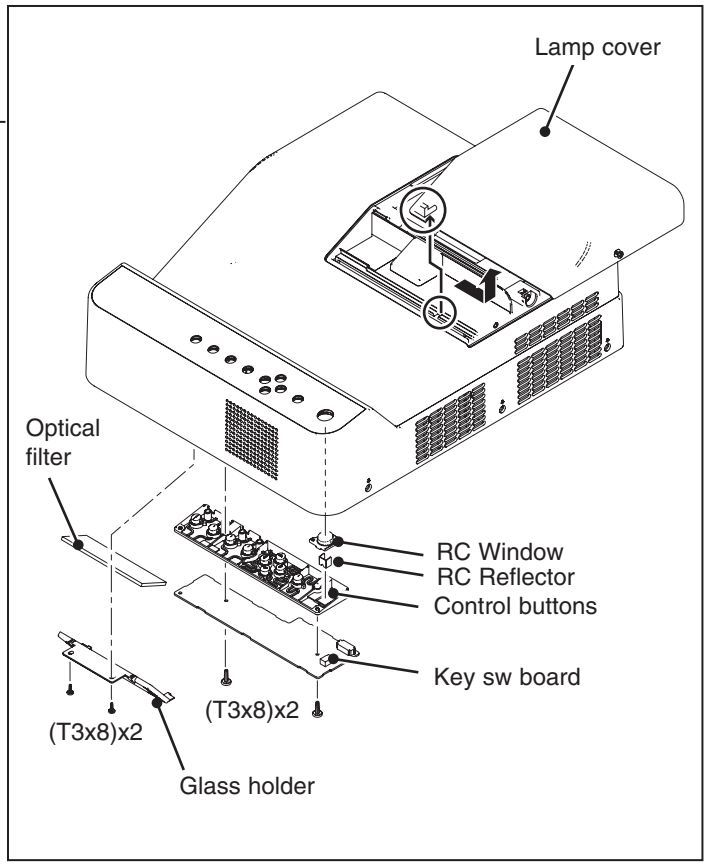


Fig.1

2 Optical unit Lamp and CW removal

1. Loosen 2 screws A and pull the Lamp assy upward off.
2. Remove 1 screw B(M2.5x6) to remove Temp. Sensor 2 board.
3. Remove 1 screw C(T3x12)x2 and 2 screws D (M4x8) to remove the Optical Unit upward off.

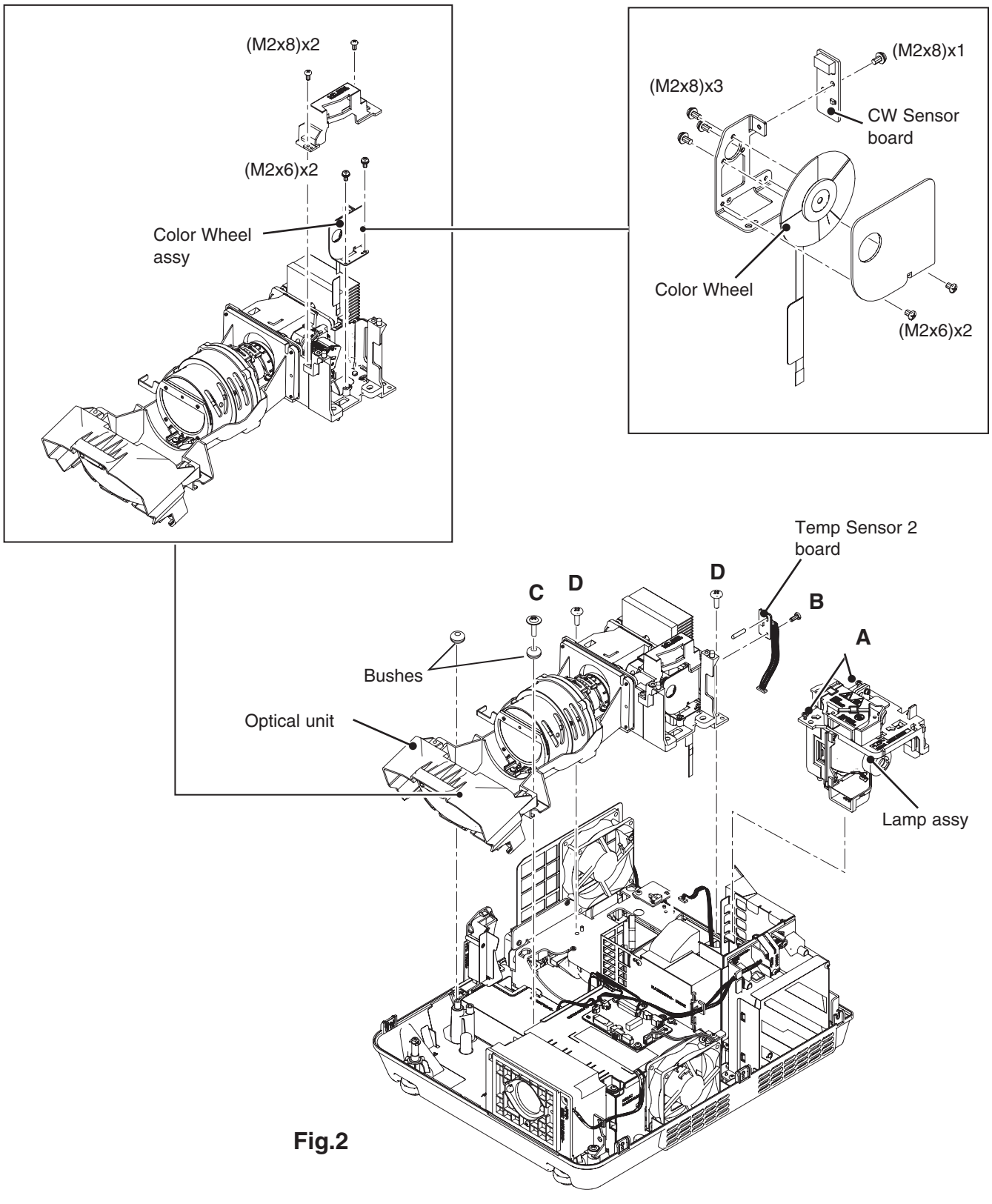


Fig.2

3 Fans (FN902, FN903, FN904) and SW901 removal

1. Remove 3 screws A(T3x8) to remove the exhaust fan assy.
2. Remove 2 screws B(M3x6) to remove the fan duct assy.

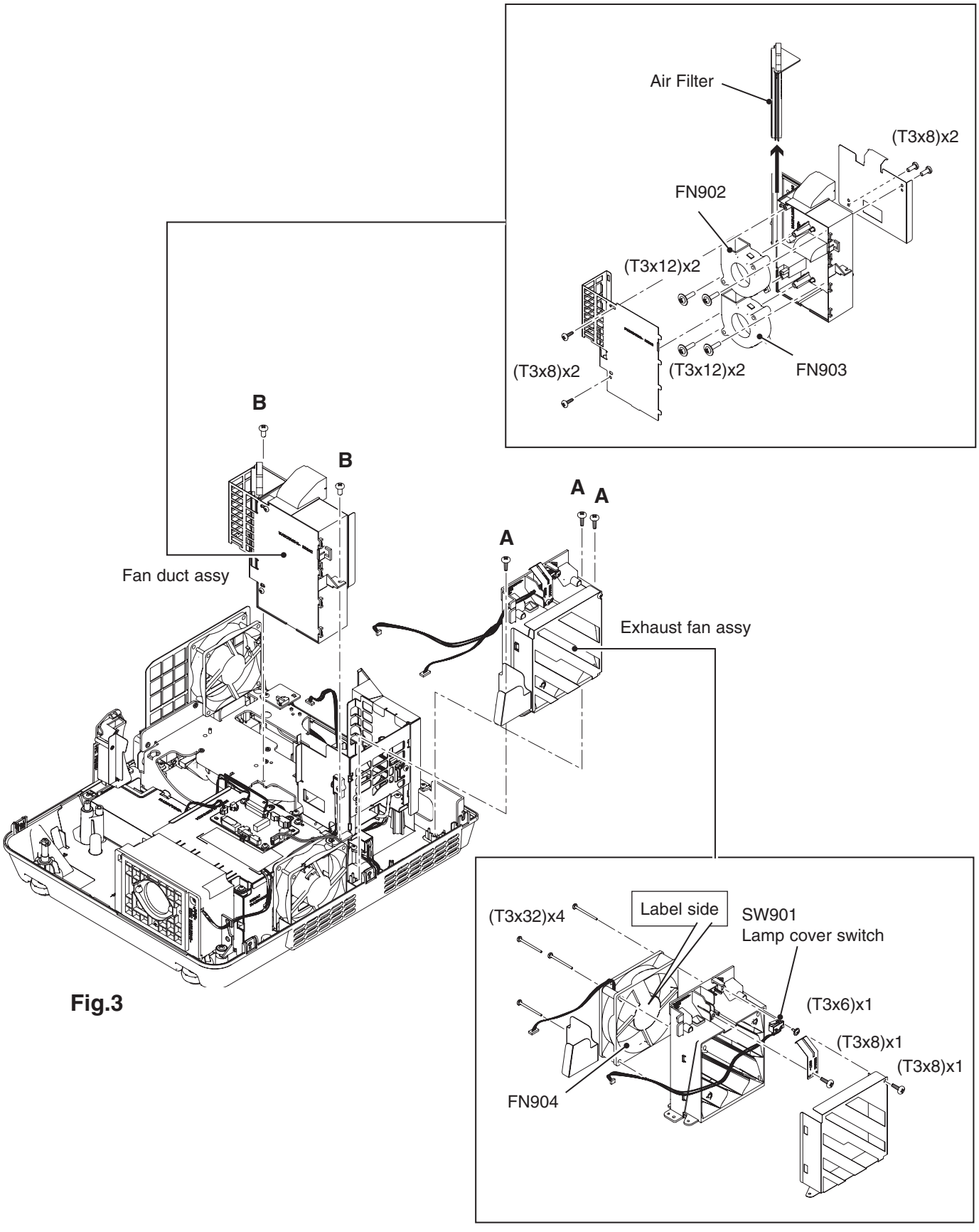


Fig.3

4 Power and FanNet Board and fan(FN905) removal

1. Remove 2 screws A(M3x8) to remove the FanNet board.
2. Remove 4 screws B(M3x8) to remove the Power box cover.
3. Remove 2 screws C(M3x8) and 1 screw D(M3x8) to remove the Power board and insulation sheet.
4. Remove 4 screws E(M3x8) to remove the Power box frame assy.

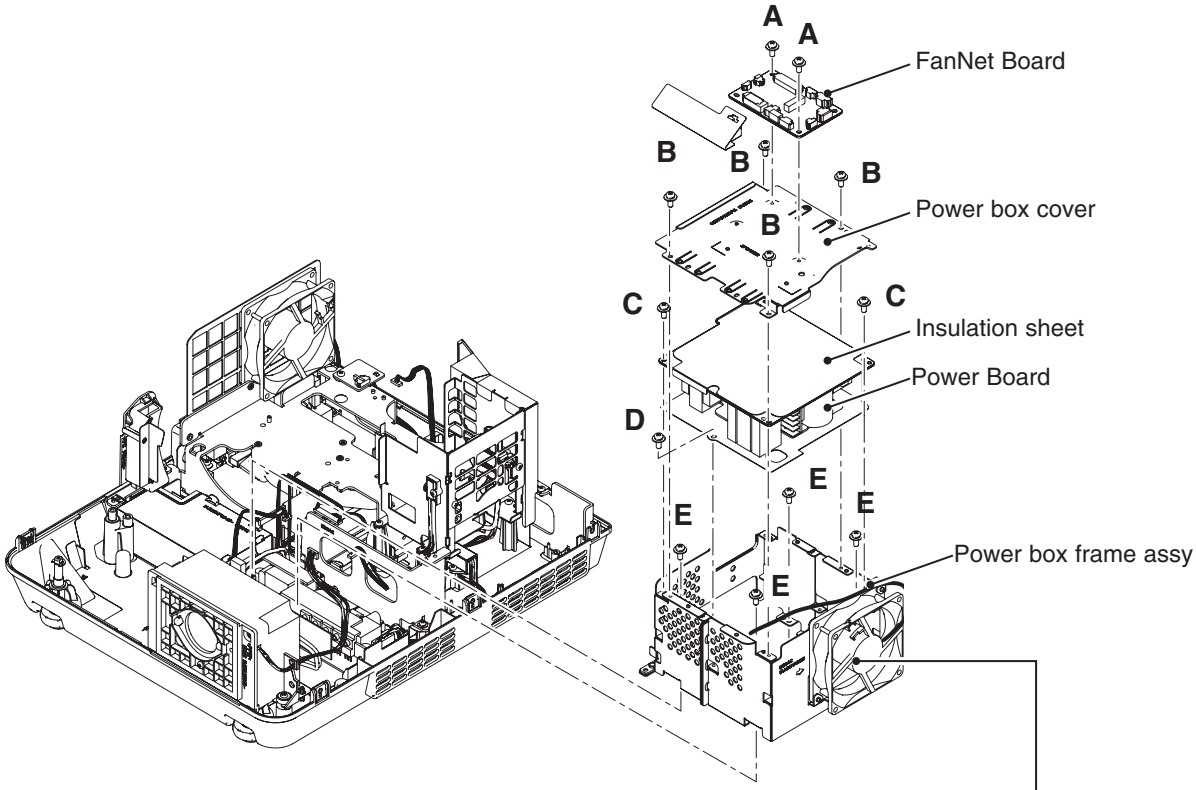
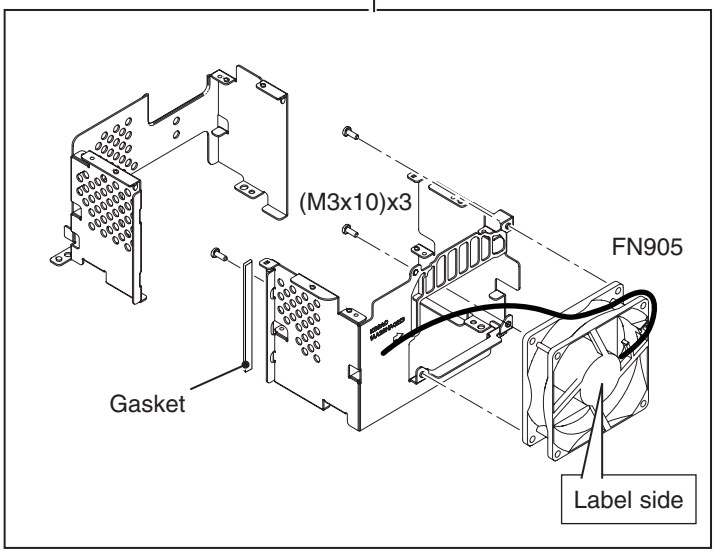


Fig.4



5 Ballast Board and Thermal Switch(SW902) removal

1. Remove 2 screws A(M3x6) to remove Side lamp shield.
2. Remove 4 screws B(M3x8) to remove the Lamp house frame.
3. Remove 2 screws C(T3x8) to remove the Ballast board, remove 1 screw D(T3x8) to remove the Trigger box , remove 2 screws E(M3x6) to remove the Ballast socket.

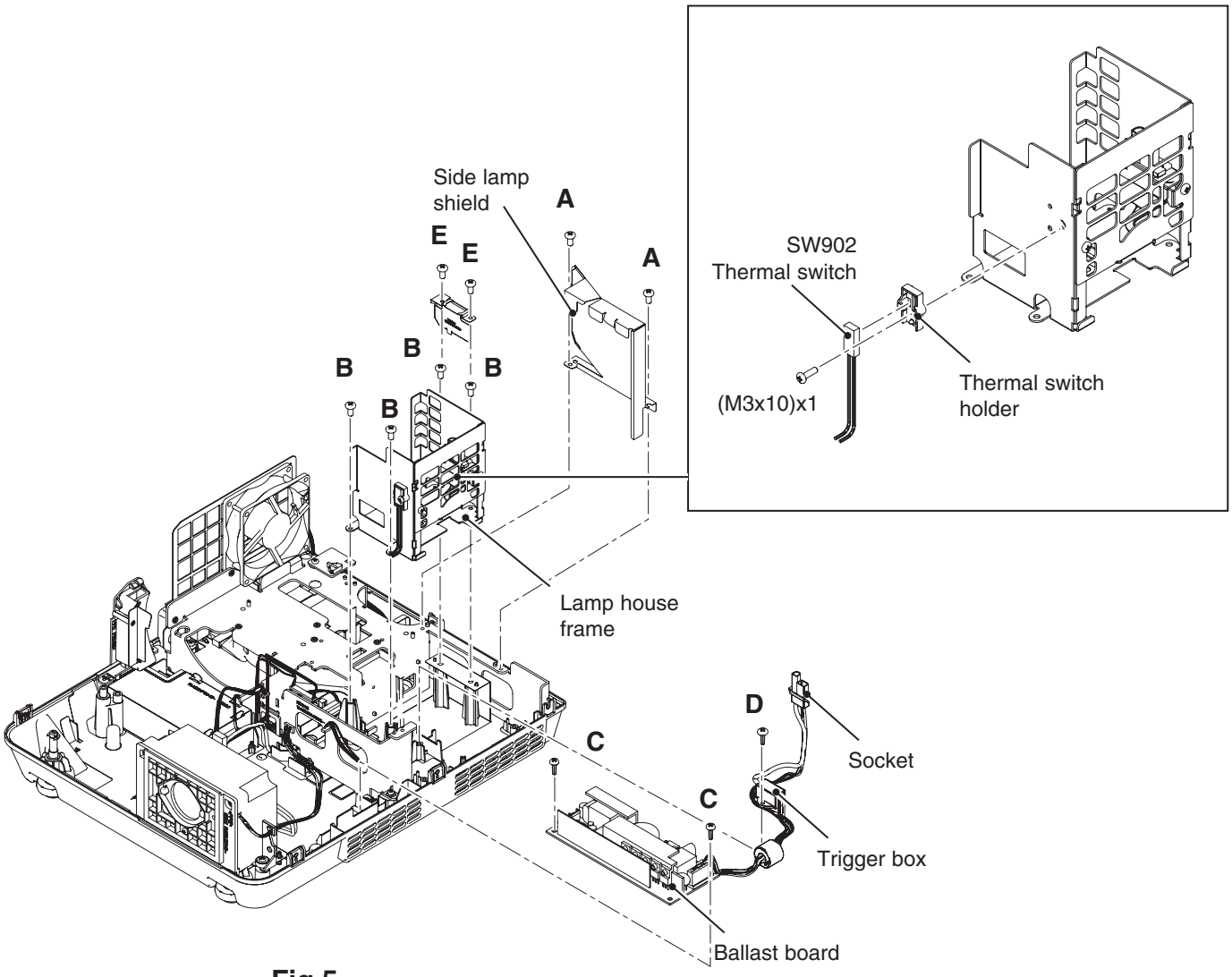
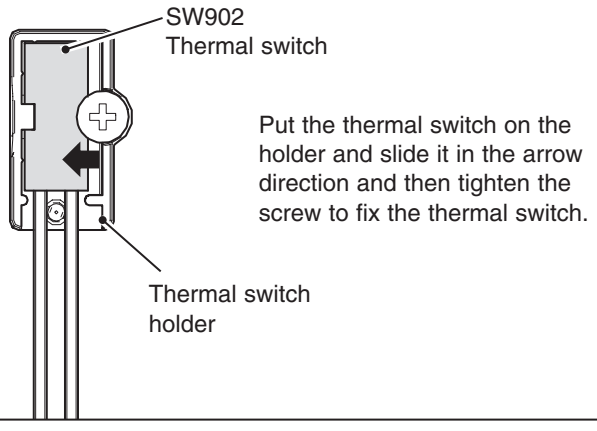


Fig.5

Note on mounting the thermal switch (SW902)


SW902
Thermal switch
Put the thermal switch on the holder and slide it in the arrow direction and then tighten the screw to fix the thermal switch.
Thermal switch holder

6 Line Filter Board removal

1. Remove 2 screw A(M3x6) to remove the Focus lever cover.
2. Remove 3 screws B(M3x8) to remove the Line filter shield.
3. Remove 4 screws C(T3x8) to remove the Line filter board and insulation sheet.

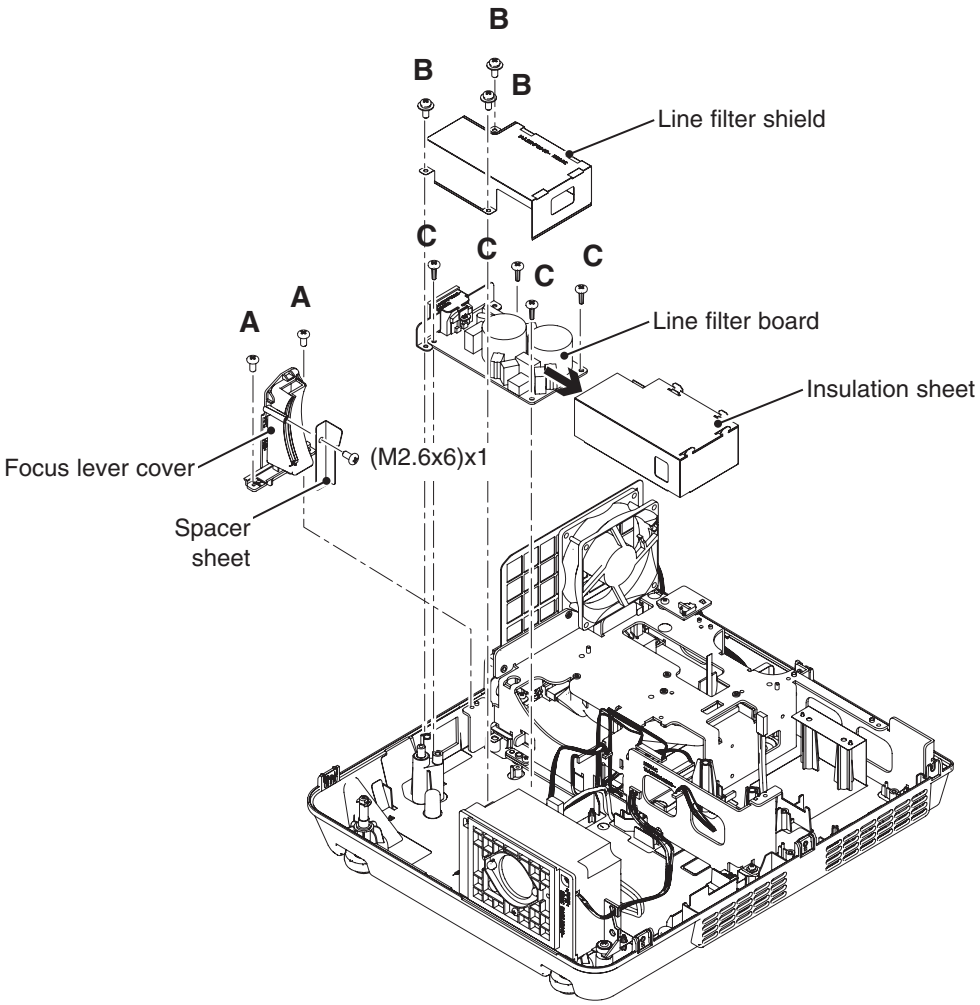


Fig.6

7 Main, AV Board and Fans (FN901, FN906) removal-1

1. Remove 1 screw A(M3x6) to remove the Temp. sensor 1 board.
2. Remove 6 screws B(M3x12) to remove the Main and AV board assy.

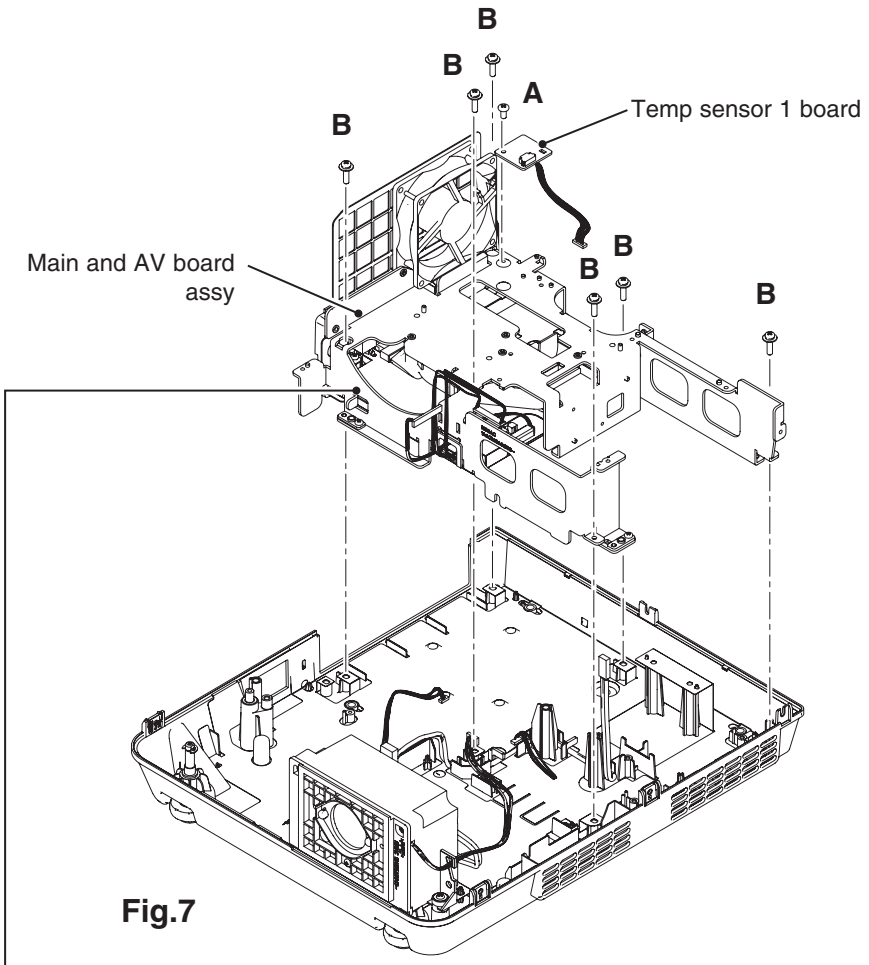
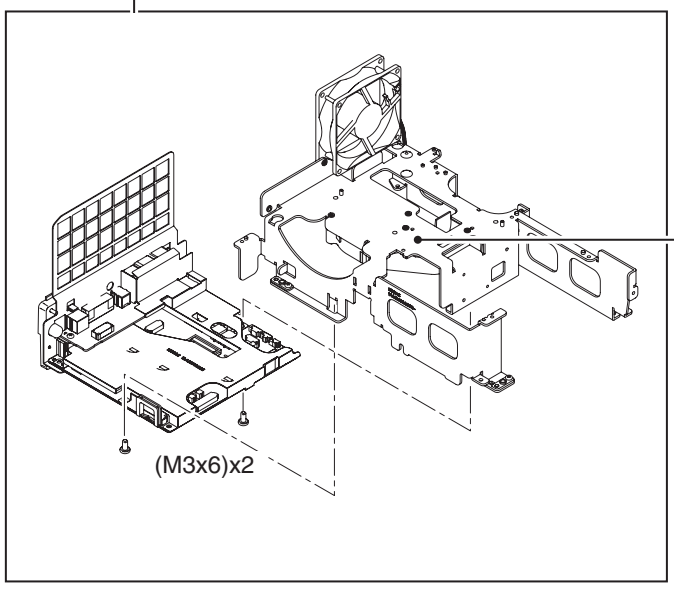
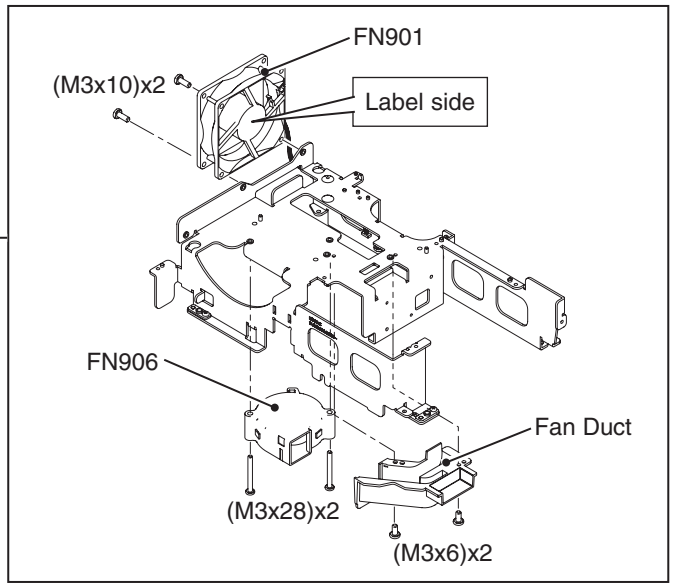
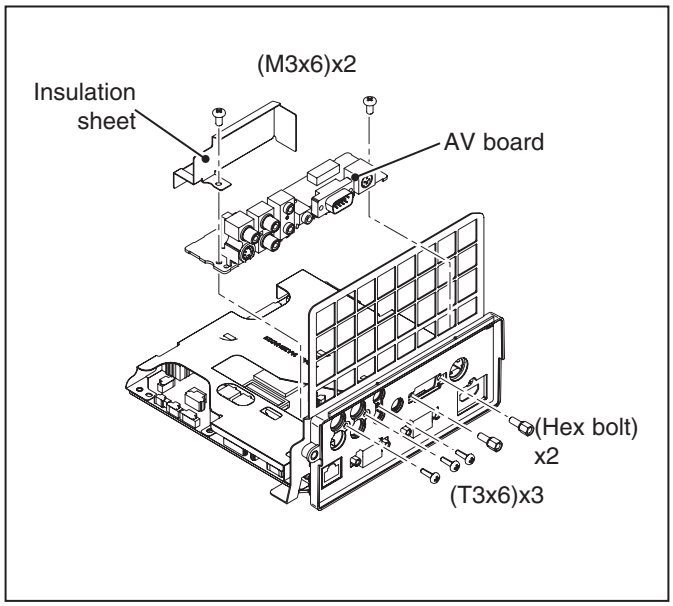


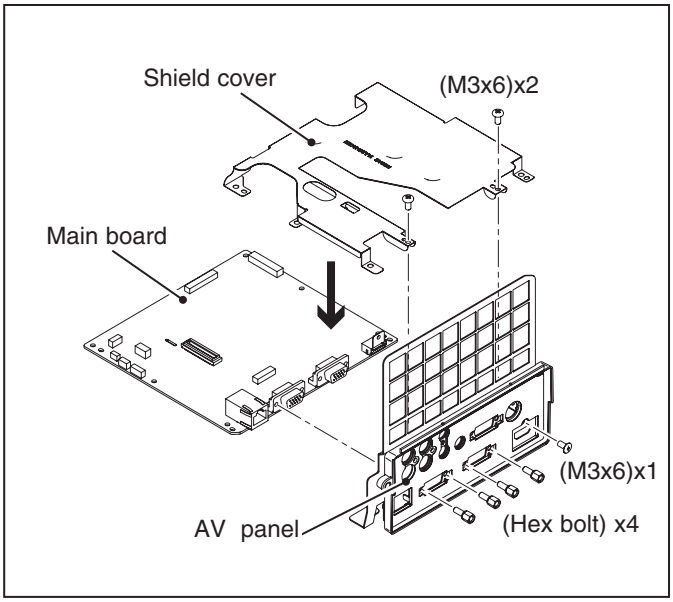
Fig.7

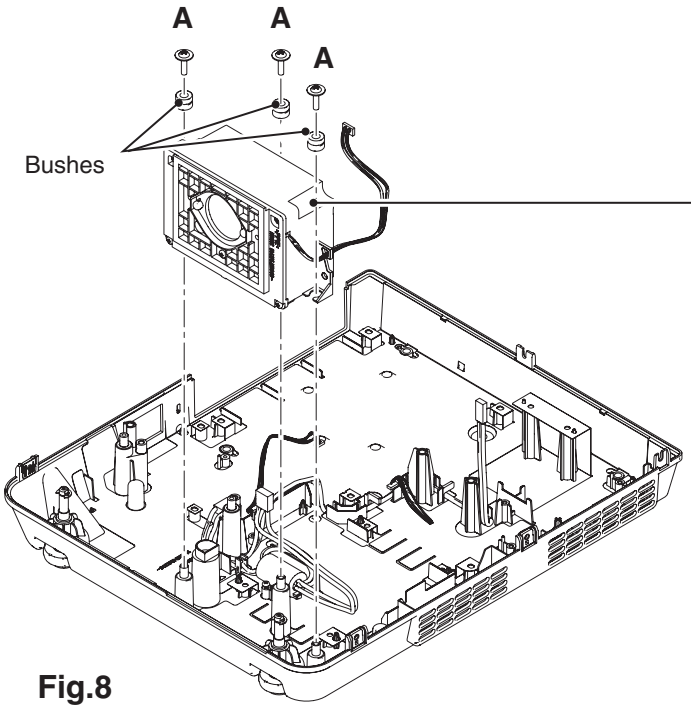




8 Main, AV Board and Fans (FN901, FN906) removal-2







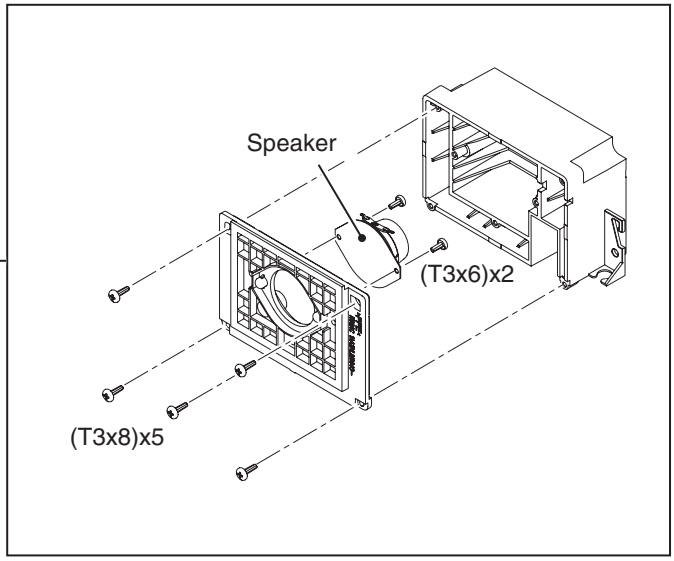


Fig.8

10 Note on wiring

After disassembling the mechanical parts or electrical parts, the wiring cables must be placed in the original position.
Especially the cable dressing indicated in the figure below, use a fixer not to touch the cable to the parts on the primary power circuit.

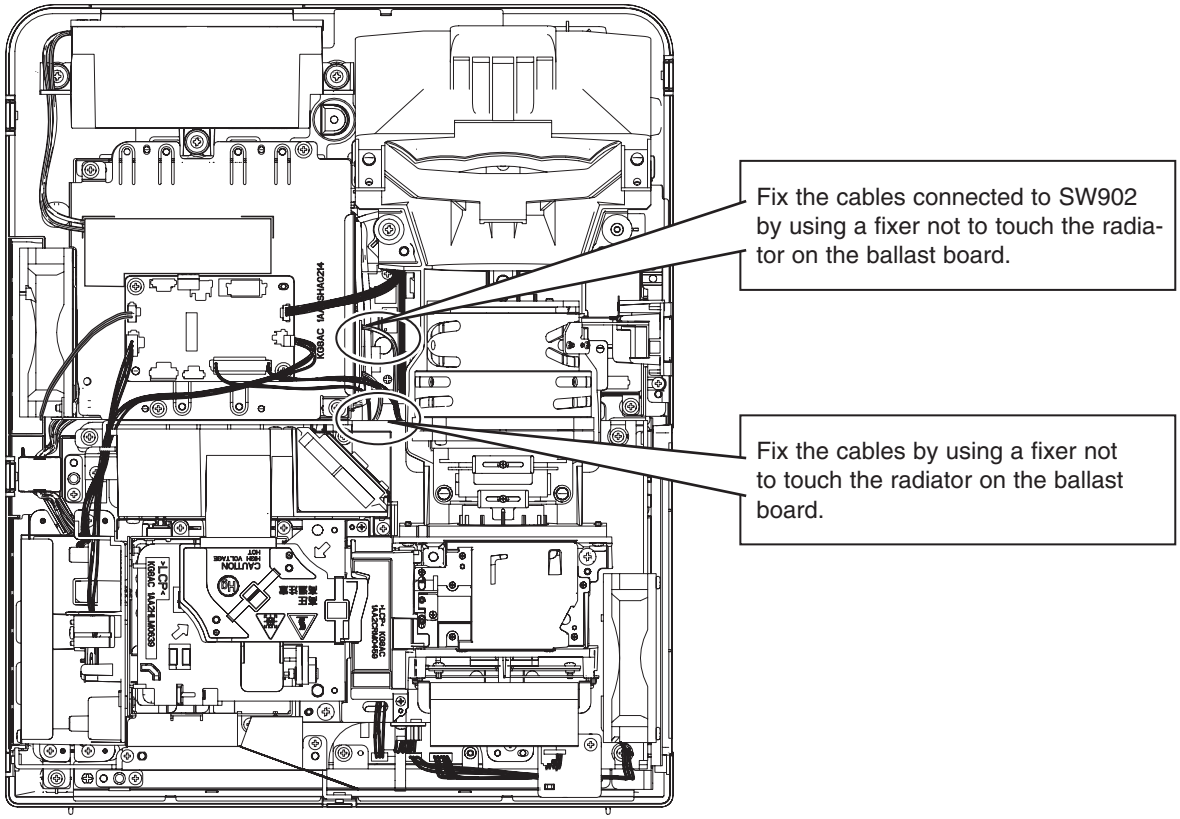

Fix the cables connected to SW902 by using a fixer not to touch the radiator on the ballast board.
Fix the cables by using a fixer not to touch the radiator on the ballast board.

Fig.9

Adjustments

Adjustments after Parts Replacement

● : Adjustment necessary ❍ : Check necessary

		Disassembly / Replaced Parts			
		Optical Unit	Color Wheel	Power Board	Main Board
Adjustments	Fan voltage adjustment			●	●
	Auto calibration adjustment [PC]				❍
	Auto calibration adjustment [Component]				❍
	Color Index Adjustment-1	●			●
	Color Index Adjustment-2		●		

Note on Main Board Replacement

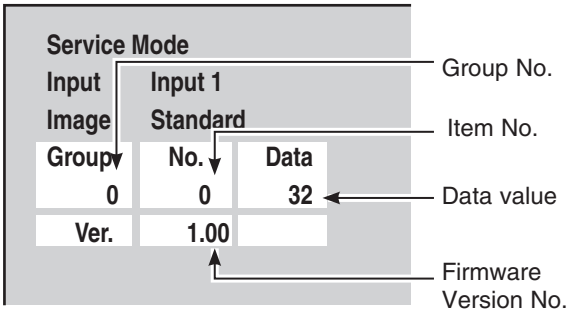
● Memory IC replacement (IC1431)

Memory IC on the main board stores the user control value including lamp used time. When the main board is replaced with new one, the lamp used time will be reset. To keep the lamp use time, the memory IC should be replaced with the one on previous main board.

Service Adjustment Menu Operation

To enter the service mode

To enter the "Service Mode", press and hold the **MENU** and **SELECT button** for more than 3 seconds, or press and hold the **MENU button** on the remote control for more than 20 seconds. The service menu appears on the screen as follows.

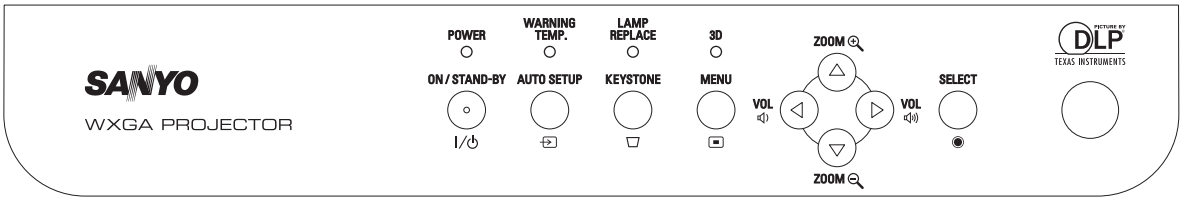


To adjust service data

Select the adjustment group no. by pressing the **MENU button** (increase) or **SELECT button** (decrease), and select the adjustment item no. by pressing the pointer ▲ or ▼ **button**, and change the data value by pressing the ◀ or ▶ **button**. Refer to the "Service Adjustment Data Table" for further description of adjustment group no., item no. and data value.

To exit the service mode

To exit the service mode, press the **ON/STAND-BY button.**



Circuit Adjustments

CAUTION: The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety. Before adjustment, please turn on the projector more than ten minutes.

WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING.

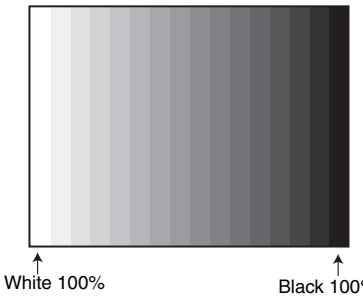
CAUTION:
To prevent suffer of UV radiation, those adjustments must be completed within 25 minutes.

[Adjustment Condition]

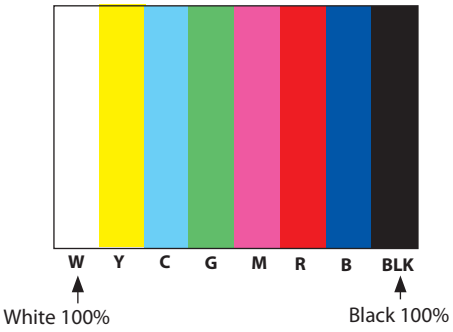
● Input signal
Analog Computer signal ..... 0.7Vp-p/75Ω terminated (WXGA)
Composite Video signal .... 1.0Vp-p/75Ω terminated (NTSC / PAL)
Component Video signal .... 0.7Vp-p/75Ω terminated (480i)

● Input signal patterns

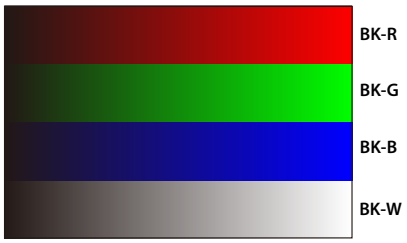
16 steps gray scale pattern



8 color 100% color bar



RGBW Ramp pattern (Internal signal)



● Image mode..... Standard
● Lamp control..... Normal
● 3D mode ..... Off

Note:
* Please refer to “Service Adjustment Menu Operation” for entering the service mode and adjusting the service data.

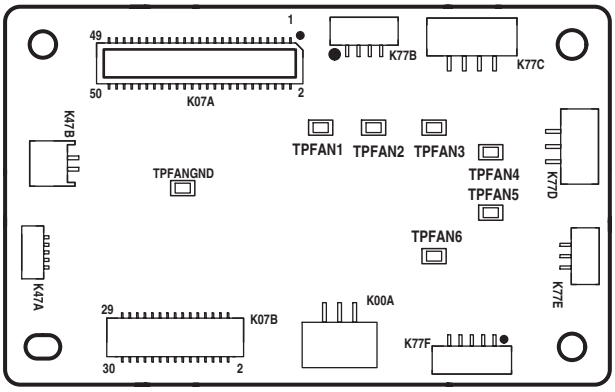
1 Fan Voltages adjustment

Equipment Digital voltmeter

1. Enter the service mode.
2. Connect the Digital voltmeter to the test point listed below.
3. Adjust the voltage on each test point by changing the data values of the Group - No.

Group	No.	Test Point	Adjustment value
250	**0**	TPFAN1	**4.5 -0 +0.1Vdc**
250	**1**	TPFAN1	**13.8 -0 +0.1Vdc**
250	**2**	TPFAN1	**4.5 -0 +0.1Vdc**
250	**3**	TPFAN2	**13.8 -0 +0.1Vdc**
250	**4**	TPFAN3	**4.5 -0 +0.1Vdc**
250	**5**	TPFAN3	**13.8 -0 +0.1Vdc**
250	**6**	TPFAN4	**4.5 -0 +0.1Vdc**
250	**7**	TPFAN4	**13.8 -0 +0.1Vdc**
250	**8**	TPFAN5	**4.5 -0 +0.1Vdc**
250	**9**	TPFAN5	**13.8 -0 +0.1Vdc**
250	**10**	TPFAN6	**4.5 -0 +0.1Vdc**
250	**11**	TPFAN6	**13.8 -0 +0.1Vdc**

FANNET Board



2 PC Auto calibration

Input mode Computer 1 (RGB) mode
Input signal 16-step gray scale computer signal

1. Enter the service mode.
2. Select Group "**260**", No. "**0**" and set data value "**0**" to "**1**".
   The projector begins auto-calibration and then "**OK**" will appear on the screen.

3 Component Auto calibration

Input mode Computer 1 (Component) mode
Input signal 100% color bar signal (480i)

1. Enter the service mode.
2. Select Group "**260**", No. "**0**" and set data value "**0**" to "**1**".
   The projector begins auto-calibration and then "**OK**" will appear on the screen.

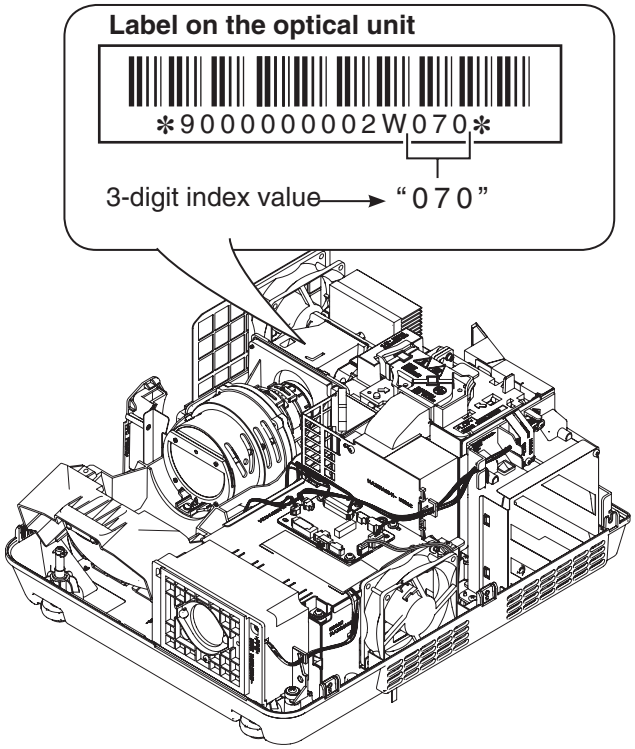
Adjustments item no. [2] to [3] are carried out at the spare parts shipment in the factory, therefore they are not required when the main board is replaced with new one.

4 Color Index adjustment-1

Condition	Dark room
Input mode	Computer 1 (RGB) mode
Image mode	Dynamic
Input signal	RGBW-Ramp pattern (Internal signal)

1. Enter the service mode.
2. Select Group "**151**", No. "**21**" and set data value to "**1**". The RGBW-Ramp internal pattern is displayed on the screen.
3. Select Group "**151**", No. "**0**" and set data value to the specified index value which is printed on the label of the optical unit.
4. Check that the proper gradation color image is reproduced on the screen.

* Only this adjustment is needed when the Optical unit or Main board is replaced.



5 Color Index adjustment-2

Condition	Dark room
Input mode	Computer 1 (RGB) mode
Image mode	Dynamic
Input signal	RGBW-Ramp pattern (Internal signal)

1. Enter the service mode.
2. Select Group "**151**", No. "**21**" and set data value to "**1**". The RGBW-Ramp internal pattern is displayed on the screen.
3. Select Group "**151**", No. "**0**" and change data value to obtain the proper gradation color image is reproduced on the screen

* Only this adjustment is needed when the Color Wheel is replaced.

Service Adjustment Data Table

These initial values are the reference data written from the CPU ROM to memory IC when replaced new memory IC. The adjustment items indicated with "※" are required to readjust following to the "Electrical adjustments". Other items should be used with the initial data value.

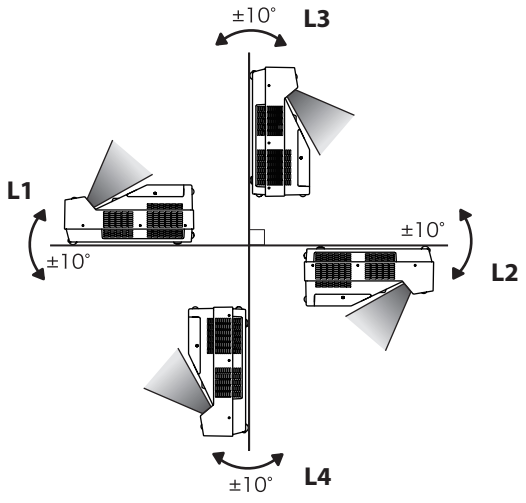
Group/ Item	Item Name	Function	Initial	Range	Note
Group 0	**AD Converter (AF1000)**				
0	Green Offset	PC / Component	512/512	0 - 4095	
1	Red Offset	PC / Component	512/512	0 - 4095	
2	Blue Offset	PC / Component	512/512	0 - 4095	
3	Green Coarse Gain	PC / Component	7/7	0 - 15	
4	Red Coarse Gain	PC / Component	7/7	0 - 15	
5	Blue Coarse Gain	PC / Component	7/7	0 - 15	
6	Green Fine Gain	PC / Component	0/0	0 - 255	
7	Red Fine Gain	PC / Component	0/0	0 - 255	
8	Blue Fine Gain	PC / Component	0/0	0 - 255	
9	SCART SOG Thresh	SCART only	12	0 - 31	
Group 60	**Image**				
0	Center Contrast	Group: Composite/S-Video/Component/Digital/D-RGB-Video/Alanou RGB RGB-Video/HDCP-PC/HDCP-AV/SCART	98/98/106/98/98/106 106/98/98/106/100	0 - 1023	
1	Center Brightness		0/0/0/0/0/0 0/0/0/0/0	0 - 1023	
2	Center Color		100/100/100/100100/100 100/100/100/100/100	0 - 1023	
3	Center Tint		0/0/0/0/00 0/0/0/0/0	0-180	
4	Fixed Sharpness (Up scaling)		8/8/8/12/8/12 8/12/8/8/8	0 - 37	
5	Fixed Sharpness (Down scaling)		8/8/8/8/8/8 8/8/8/8/8	0 - 37	
6	Center Sharpness (not FPGA)		16/16/16/16/16/16 16/16/16/16/16	0 - 37	
7	Center WB Red		512/512/512/512/512/512 512/512/512/512/512	0 - 1023	
8	Center WB Green		512/512/512/512/512/512 512/512/512/512/512	0 - 1023	
9	Center WB Blue		512/512/512/512/512/512 512/512/512/512/512	0 - 1023	
10	Center BB Red		512/512/512/512/512/512 512/512/512/512/512	0 - 1023	
11	Center BB Green		512/512/512/512/512/512 512/512/512/512/512	0 - 1023	
12	Center BB Blue		512/512/512/512/512/512 512/512/512/512/512	0 - 1023	
13	Alpha Contrast		60/60/60/60/60/60 60/60/60/60/60	0 - 1000	
14	Alpha Brightness		90/90/90/90/90/90 90/90/90/90/90	0 - 1000	
15	Alpha Color		40/140/140/140/140/140 140/140/140/140/140	0 - 1000	
16	Alpha Tint		10/10/10/10/10/10 10/10/10/10/10	0 - 1000	
17	Alpha Sharpness		10/10/10/10/10/10 10/10/10/10/10	0 - 1000	
18	Alpha WB Red		40/40/40/40/40/40 40/40/40/40/40	0 - 1000	
19	ALpha WB Green		40/40/40/40/40/40 40/40/40/40/40	0 - 1000	
20	Alpha WB Blue		40/40/40/40/40/40 40/40/40/40/40	0 - 1000	
21	Alpha BB Red		20/20/20/20/20/20 20/20/20/20/20	0 - 1000	
22	Alpha BB Green		20/20/20/20/20/20 20/20/20/20/20	0-1000	
23	Alpha BB Blue		20/20/20/20/20/20 20/20/20/20/20		
Group 151	**Color Wheel**				
0	Index Delay	Index Value of Color Wheel	70	0 - 360	
20	Raster Pattern	0: Off 1: Blue Back 2: Green Back 3: Red Back 4: Black Back 5: White Back 6: 60% Blue Back 7: 10% Gray Back 8: 30% Gray Back 9: 50% Gray Back 10: Cyan Back 11: Magenta Back 12: Yellow Back	0	0 - 12	

Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
21	Test Pattern	0: Off 1: Color Ramp 2: Color Bar 3: 16 step 4: Grid 5: Green Grid 6: 1-line Pattern 7: 1-dot Pattern 8: BC Calibration 9: Half Cross	0	0 - 9	
Group 155	**CCA**				
0	CCA Disable	0: CCA Enable, 1: Disable	0	0 - 1	
Group 156	**Color Matching - Measured Data**				
0	Measured Red -X	Adjust Color matching Data 0: Image = Dynamic mode 1: Image = Standard mode 2: Image = Cinema mode 3: 120Hz Output mde 4: 3D mode * This data will be effective after executing the item 100.		0 - 1000	
1	Measured Red -Y			0 - 1000	
2	Measured Red -Luma			0 - 32767	
10	Measured Green -X			0 - 1000	
11	Measured Green -Y			0 - 1000	
12	Measured Green -Luma			0 - 32767	
20	Measured Blue -X			0 - 1000	
21	Measured Blue -Y			0 - 1000	
22	Measured Blue -Luma			0 - 32767	
70	Measured Full White -X			0 - 1000	
71	Measured Full White -Y			0 - 1000	
72	Measured Full White -Luma			0 - 32767	
100	measured Data Update	Update the Measured Data when the value is set to 10.		0 - 10	
120	Measured Test Pattern	OFF / Red / Green / Blue / Full White		0 - 4	
Group 160	**Waveform Index**				
0	Bright Image Mode	Image = Dynamic	1	0 - 10	
1	Normal Image Mode	Image = Standard	5	0 - 10	
2	Color Image Mode	Image = Cinema	9	0 - 10	
3	Normal 120Hz	120Hz Mode	9	0 -10	
4	3D Image Mode	3D Mode	9	0 - 10	
Group 161	**Lamp Sync Delay**				
0	Bright Image Mode	Image = Dynamic	190	0 - 32767	
1	Normal Image Mode	Image = Standard	190	0 - 32767	
2	Color Image Mode	Image = Cinema	190	0 - 32767	
3	Normal 120Hz	120Hz Mode	190	0 - 32767	
4	3D Image Mode	3D Mode	190	0 - 32767	
Group 200	**Option**				
0	Logo Prohibition (Forced No Brand)	Logo Prohibition (0: Menu, 1: Forced, 2: China, 3-9: not used) Effective after AC On	0	0 - 2	
1	RS232C Baudrate	Baud Rate 0: 19200bps, 1: 9600bps	0	0 - 1	
4	CABLE SW	Long Cable 0: Disable, 1: Enable	0	0 - 1	
5	PW Debug Command Enable	0:Disable (Serial Command Eanble) 1: Enable (PW Debug Mode)	0	0 - 1	
8	Network Hung up Check	0: Enable, 1: Disable	0	0 - 1	
51	Filter Warning Display	Filter Waring Display On/Off 0: Off, 1: On	1	0 - 1	
53	Filter Counter Reset Times	Reset Times	0	0 - 255	
54	Factory Default Execute Times	Reset Times	0	0 - 255	
63	Source Search Enable	Siurce Search Enable o: Disable, 1: Enable	1	0 - 1	
80	Destination Setting	Shipping Destination 0: English, 1: Japanese	0	0 - 1	
111	Sound Mute	0: work alone, 1: Work with Video Mute	1	0 - 1	
120	HDMI CONT	0: EDID/HPD Manual Control in the Standby 1: EDID/HPD Auto Control in the Standby	1	0 - 1	
Group 201	**Option (signal)**				
0	VSBEG		8	0 - 255	
Group 220	**Error Log**				
0	Waring Log 1	Latest Error Log	0	0 - 32767	
~	Warning Log x th	x th old Error Log	0	0 - 32767	
49	Warinig Log 50	50th old Error Log	0	0 - 32767	
50	Warinig Log Reset	Resets All Warning Logs when the value is set to 10.	0	0 - 10	
Group 250	**FAN Voltage Adjustment**				
0	Fan1 Min. Adjust (DAC)		25	0 - 255	
1	Fan1 Max. Adjustt(DAC)		235	0 - 255	
2	Fan2 Min. Adjust (DAC)		27	0 - 255	
3	Fan2 Max. Adjust (DAC)		237	0 - 255	

Adjustments

Group/ Item	Item Name	Function	Initial				Range	Note
4	Fan3 Min. Adjust (DAC)		31				0 - 255	
5	Fan3 Max. Adjust (DAC)		234				0 - 255	
6	Fan4 Min. Adjust (DAC)		27				0 - 255	
7	Fan4 Max. Adjust (DAC)		237				0 - 255	
8	Fan5 Min. Adjust (DAC)		28				0 - 255	
9	Fan5 Max. Adjust (DAC)		239				0 - 255	
10	Fan6 Min. Adjust (DAC)		28				0 - 255	
11	Fan6 Max. Adjust (DAC)		238				0 - 255	
Group 252	**Fan Option**							
1	Safety Switch	For Safety Application purpose	0				0 - 4	
2	Fan Manual Switch	0: Auto, 1: Manual	0				0 - 1	
3	Fan1 Manual Voltage	Fan1 Voltage (x0.1V)	100				0 - 145	
4	Fan2 Manual Voltage	Fan2 Voltage (x0.1V)	100				0 - 145	
5	Fan3 Manual Voltage	Fan3 Voltage (x0.1V)	100				0 - 145	
6	Fan4 Manual Voltage	Fan4 Voltage (x0.1V)	100				0 - 145	
7	Fan5 Manual Voltage	Fan5 Voltage (x0.1V)	100				0 - 145	
8	Fan6 Manual Voltage	Fan6 Voltage (x0.1V)	100				0 - 145	
9	All Fan MaxMin Control	Forced Fan Mode 0: Normal, 1: Normal-Min, 2: Normal-Max, 3: Eco-Min, 4: Eco Mox	0				0 - 4	
Group 253	**FAN Error Setting**							
			L1 Normal	**L2** Ceiling	**L3** Bottom	**L4** Up		
0	Temp A Warning (Normal)	Temperature A to judge the Temp. Failure Outside at Normal	48	48	48	48	30 - 100	
1	Temp B Warning (Normal)	Temperature B to judge the Temp. Failure DMD at Normal	68	67	67	68	30-100	
2	Temp C Warning (Normal)	Temperature C to judge the Temp. Failure Lamp at Normal	68	67	68	68	30-100	
3	Temp B-A Waninig (Normal)	Temperature B-A to judge the Temp. Failure Filter Clogged at Normal	100	100	100	100	0-100	
4	Temp C-A Warning (Normal)	Temperature C-A to judge the Temp. Failure Filter Clogged at Normal	100	100	100	100	0-100	
5	Temp A Warning (Eco)	Temperature A to judge the Temp. Failure Outside at Eco	50	49	49	49	30 - 100	
6	Temp B Warning (Eco)	Temperature B to judge the Temp. Failure DMD at Eco	71	71	70	70	0 - 100	
7	Temp C Warning (Eco)	Temperature C to judge the Temp. Failure Lamp at Eco	73	72	73	73	0 - 100	
8	Temp B-A Warninig (Eco)	Temperature B-A to judge the Temp. Failure Filter Clogged at Eco	100	100	100	100	0 - 100	
9	Temp C-A Warning (Eco)	Temperature C-A to judge the Temp. Failure Filter Clogged at Eco	100	100	100	100	0 - 100	
10	Temp A Warning Offset (Temp)		10				0 - 100	
11	Temp B Warning Offset (Temp)		11				0 - 100	
12	Temp C Warning Offset (Temp)		13				0 - 100	
13	Temp B-A Warning Offset (Temp)		11				0 - 100	
14	Temp C-A Warning Offset (Temp)		13				0 - 100	
15	Temp A Warning Offset (Time)		30				0 - 40	
16	Temp B Warning Offset (Time)		15				0 - 40	
17	Temp C Warning Offset (Time)		15				0 - 40	
18	Temp B-A Warning Offset (Time)		15				0 - 40	
19	Temp C-A Warning Offset (Time)		15				0 - 40	



Adjustments

Group/ Item	Item Name	Function	Initial				Range	Note
Group 254	**FAN Control Range Setting (Temp./Voltage)**							
			L1 Normal	**L2** Ceiling	**L3** Bottom	**L4** Up		
0	Normal Fan Control Min. Temp	Temp Sensor Control Start/End at Normal	27	27	27	27	20 - 100	
1	Normal Fan Control Max. Temp		36	36	36	36	20 - 100	
2	Normal Fan1 Min.	Fan Voltage at Normal (x0.1V)	62	62	62	62	0 - 255	
3	Normal Fan1 Max.		138	138	138	138	0 - 255	
4	Normal Fan2 Min.		90	70	105	55	0 - 255	
5	Normal Fan2 Max.		95	70	110	70	0 - 255	
6	Normal Fan3 Min.		75	95	55	115	0 - 255	
7	Normal Fan3 Max.		75	105	75	120	0 - 255	
8	Normal Fan4 Min.		80	80	80	80	0 - 255	
9	Normal Fan4 Max.		138	138	138	138	0 - 255	
10	Normal Fan5 Min.		75	78	78	75	0 - 255	
11	Normal Fan5 Max.		138	138	138	138	0 - 255	
12	Normal Fan6 Min.		55	55	55	55	0 - 255	
13	Normal Fan6 Max.		135	135	135	135	0 - 255	
16	Eco Fan Control Min. Temp	Temp Sensor Control Start/End at Eco	27	27	27	27	20 - 100	
17	Eco Fan Control Max. Temp		37	37	37	37	20 - 100	
18	Eco Fan1 Min.	Fan Voltage at Eco (x0.1V)	60	60	60	60	0 - 255	
19	Eco Fan1 Max.		70	70	70	70	0 - 255	
20	Eco Fan2 Min.		60	50	60	45	0 - 255	
21	Eco Fan2 Max.		70	55	70	50	0 - 255	
22	Eco Fan3 Min.		50	65	50	65	0 - 255	
23	Eco Fan3 Max.		55	75	55	75	0 - 255	
24	Eco Fan4 Min.		60	60	60	60	0 - 255	
25	Eco Fan4 Max.		120	120	120	120	0 - 255	
26	Eco Fan5 Min.		52	55	55	52	0 - 255	
27	Eco Fan5 Max.		110	110	110	110	0 - 255	
28	Eco Fan6 Min.		50	50	50	50	0 - 255	
29	Eco Fan6 Max.		115	115	115	115	0 - 255	
Group 255	**FAN Start/Cooling Setting**							
0	Fan1 Initial Volt	Fan Voltage at Startup (x0.1V)			70		0 - 255	
1	Fan2 Initial Volt				60		0 - 255	
2	Fan3 Initial Volt				60		0 - 255	
3	Fan4 Initial Volt				65		0 - 255	
4	Fan5 Initial Volt				70		0 - 255	
5	Fan6 Initial Volt				60		0 - 255	
7	Cooling Time L1	Cooling Time at L1 (x 30 sec.)			2		1 - 15	
8	Cooling Time L2	Cooling Time at L2 (x 30 sec.)			3		1 - 15	
9	Temp Error Cooling Time	Cooling Time at Temp Error (x 30sec.)			3		1 - 15	
10	onStart Cooling Start Threshold	Cooling Start Threshold Temp at On Start			38		0 - 100	
11	After Shutdown Cooling	Cooling On/Off After Shutdown			1		0 - 1	
12	L1 Cooling Volt Fan2	Cooling Fan Voltage at L1 (x0.1V)			135		0 - 255	
13	L1 Cooling Volt Fan3				135		0 - 255	
14	L1 Cooling Volt Fan4				135		0 - 255	
Group 259	**FAN Atmosphere Setting**							
10	Temp A Warning (Normal, High-Land ON1)	Temperature A to judge the Temp. Failure Outside at Normal and HighLand ON1			42		0 - 100	
11	Temp B Warning (Normal, High-Land ON1)	Temperature B to judge the Temp. Failure DMD at Normal and HighLand ON1			62		0 - 100	
12	Temp C Warning (Normal, High-Land ON1)	Temperature C to judge the Temp. Failure Lamp at Normal and HighLand ON1			62		0 - 100	
13	Temp A Warning (Eco, HighLand ON1)	Temperature A to judge the Temp. Failure Outside at Eco and HighLand ON1			42		0 - 100	
14	Temp B Warning (Eco, HighLand ON1)	Temperature B to judge the Temp. Failure DMD at Eco and HighLand ON1			61		0 - 100	
15	Temp C Warning (Eco, HighLand ON1)	Temperature C to judge the Temp. Failure Lamp at Eco and HighLand ON1			64		0 - 100	
16	Temp A Warning (Normal, High-Land ON2)	Temperature A to judge the Temp. Failure Outside at Normal and HighLand ON2			37		0 - 100	
17	Temp B Warning (Normal, High-Land ON2)	Temperature B to judge the Temp. Failure DMD at Normal and HighLand ON2			58		0 - 100	
18	Temp C Warning (Normal, High-Land ON2)	Temperature C to judge the Temp. Failure Lamp at Normal and HighLand ON2			53		0 - 100	
19	Temp A Warning (Eco, HighLand ON1)	Temperature A to judge the Temp. Failure Outside at Eco and HighLand ON2			59		0 - 100	
20	Temp B Warning (Eco, HighLand ON1)	Temperature B to judge the Temp. Failure DMD at Eco and HighLand ON2			38		0 - 100	
21	Temp C Warning (Eco, HighLand ON1)	Temperature C to judge the Temp. Failure Lamp at Eco and HighLand ON2			58		0 - 100	
Group 260	**Auto Calibration (Commn) * Auto Calibration**							
0	Execute Calibration	Executes Auto-Calibration when the value is set to1			0		0 - 1	

Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
1	Loop Count	Maximum Execution Times (OFFSET->GAIN)	10	1 - 30	
2	Auto Status	Result of Auto-Calibration (Last Memory) 0: OK, 1: Adjusting, 2: Error	0	0 / 1 / 9	
3	AutoWait	Wait Value for each setting	-	1 - 20	
4	CHECK -Tolelance	Torelance of OFFSET	16	1 - 255	
5	Time out Wait	Wait Time until Time out	20	1 - 255	
Group 261	**Auto Calibration (RGB)**				
0	OFFSET AREA H START	Black Level Acquiring Area H-Start Position	975	0 - 1000	
1	OFFSET AREA V START	Black Level Acquiring Area V-Start Position	500	0 - 1000	
2	GAIN AREA H START	White Level Acquiring Area H-Start Position	25	0 - 1000	
3	GAIN AREA V START	White Level Acquiring Area V-Start Position	500	0 - 1000	
4	Image AREA H WIDTH	Black/White Level Acquiring Area	13	0 - 4095	
5	Image AREA V HIGHT	Black/White Level Acquiring Area Height	9	0 - 4095	
6	OFFSET target	Target Value of Black Level Adj.	0	0 - 1023	
7	OFFSET torelance	Torelance of Black Level Adj.	8	1 - 1023	
8	GAIN target	Target Value of White Level Adj.	940	0 - 1023	
9	GAIN torelance	Torelance of White Level Adj.	2	1 - 1023	
10	Image Level Tolerance	Tolerance of Image Level Adj.	4	1 - 255	
Group 262	**Auto Calibration (CVBS/SVIDEO/YCbCr 480i)**				
0	Y Image Area Start X	Y Acquiring Area H-Start Position		0 - 1000	
1	Y Image Area Start Y	Y Acquiring Area V-Start Position		0 - 1000	
6	Image Area H Width	Image Level Acquiring Area		0 - 4095	
7	Image Area V Hight	Image Level Acquiring Area Height		0 - 4095	
8	Y Target Level	Target Value of Y Level Adj.		0 - 1023	
11	Gain Tolerance	Torelance of Level Adj.		1 - 255	
12	Image Level Tolerance	Tolerance of Image Level Adj.		1 - 255	
Group 264	**Auto Calibration (YCbCr)**				
0	Y-OFFSET AREA H START	Y - Offset Acquiring Area H-Start Position	925	0 - 1000	
1	Y-OFFSET AREA V START	Y - Offset Acquiring Area V-Start Position	500	0 - 1000	
2	CB - OFFSET AREA H START	CB - Offset Acquiring Area H-Start Position	925	0 - 1000	If not used: use Y's value
3	CB - OFFSET AREA V START	CB - Offset Acquiring Area V-Start Position	500	0 - 1000	If not used: use Y's value
4	CR - OFFSET AREA H START	CR - Offset Acquiring Area H-Start Position	925	0 - 1000	If not used: use Y's value
5	CR - OFFSET AREA V START	CR - Offset Acquiring Area V-Start Position	500	0 - 1000	If not used: use Y's value
6	Y - GAIN AREA H START	Y-Gain	50	0 - 1000	
7	Y - GAIN AREA V START	Y-Gain	500	0 - 1000	
8	CB - GAIN AREA H START	CB-Gain	800	0 - 1000	
9	CB - GAIN AREA V START	CB-Gain	500	0 - 1000	
10	CR - GAIN AREA H START	CR-Gain	700	0 - 1000	
11	CR - GAIN AREA V START	CR-Gain	500	0 - 1000	
12	Image AREA H WIDTH	YCBCR Level Acquiring Area	13	0 - 4095	
13	Image AREA V HIGHT	YCBCR Level Acquiring Area Height	9	0 - 4095	
14	Y - OFFSET TARTGET		1	0 - 1023	
15	CB OFFSET TARGET		512	0 - 1023	
16	CR OFFSET TARGET		512	0 - 1023	
17	Y - GAIN TARGET		808	0 - 1023	
18	CB - GAIN TARGET		892	0 - 1023	
19	CR - GAIN TARGET		892	0 - 1023	
20	OFFSET torelance	Torelance of OFFSET Adj.	4	1 - 255	
21	GAIN torelance	Torelance of GAIN Adj.	4	1 - 255	
22	Image Level Tolerance	Tolerance of Image Level Adj.	4	1 - 255	
Group 500	**SCART (480i)**				
2	H Back Porch		119	0 ~ 4095	
3	V Back Porch		19	0 ~ 4095	
7	Overscan		52	0 - 255	
8	VSBEG		4	0 - 255	
16	Field Diff	Even/Odd Phase Compensation	1	0 - 2	
Group 501	**SCART (525i)**				
2	H Back Porch		128	0 ~ 4095	
3	V Back Porch		24	0 ~ 4095	
7	Overscan		66	0 - 255	
8	VSBEG		8	0 - 255	
16	Field Diff	Even/Odd Phase Compensation	1	0 - 2	
Group 510	**RGB Video (480i)**				
2	H Back Porch		116	0 ~ 4095	
3	V Back Porch		19	0 ~ 4095	
7	Overscan		52	0 - 255	

Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
8	VSBEG		16	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	0	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
Group 511	**RGB Video (575i)**				
2	H Back Porch		134	0 ~ 4095	
3	V Back Porch		22	0 ~ 4095	
7	Overscan		68	0 - 255	
8	VSBEG		8	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	0	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
Group 512	**RGB Video (480p)**				
2	H Back Porch		123	0 ~ 4095	
3	V Back Porch		36	0 ~ 4095	
7	Overscan		48	0 - 255	
8	VSBEG		8	0 - 255	
Group 513	**RGB Video (575p)**				
2	H Back Porch		133	0 ~ 4095	
3	V Back Porch		44	0 ~ 4095	
7	Overscan		38	0 - 255	
8	VSBEG		8	0 - 255	
Group 514	**RGB Video (720p - 60)**				
2	H Back Porch		300	0 ~ 4095	
3	V Back Porch		25	0 ~ 4095	
7	Overscan		24	0 - 255	
8	VSBEG		8	0 - 255	
Group 515	**RGB Video (720p - 50)**				
2	H Back Porch		298	0 ~ 4095	
3	V Back Porch		25	0 ~ 4095	
7	Overscan		24	0 - 255	
8	VSBEG		8	0 - 255	
Group 516	**RGB Video (1080i - 60)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEG		8	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	1	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
Group 517	**RGB Video (1080i - 50)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		22	0 ~ 4095	
7	Overscan		24	0 - 255	
8	VSBEG		8	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	0	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
4	Disp Line		700	0 ~ 4095	
Group 519	**RGB Video (1080p - 60)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		22	0 - 255	
8	VSBEG		8	0 - 255	
Group 520	**RGB Video (1080p -50)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		22	0 - 255	
8	VSBEG		8	0 - 255	
Group 521	**RGB Video (1080p - 30)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		24	0 - 255	
8	VSBEG		8	0 - 255	
Group 522	**RGB Video (1080p - 25)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		24	0 - 255	
8	VSBEG		8	0 - 255	
Group 523	**RGB Video (1080p - 24)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		24	0 - 255	

Adjustments

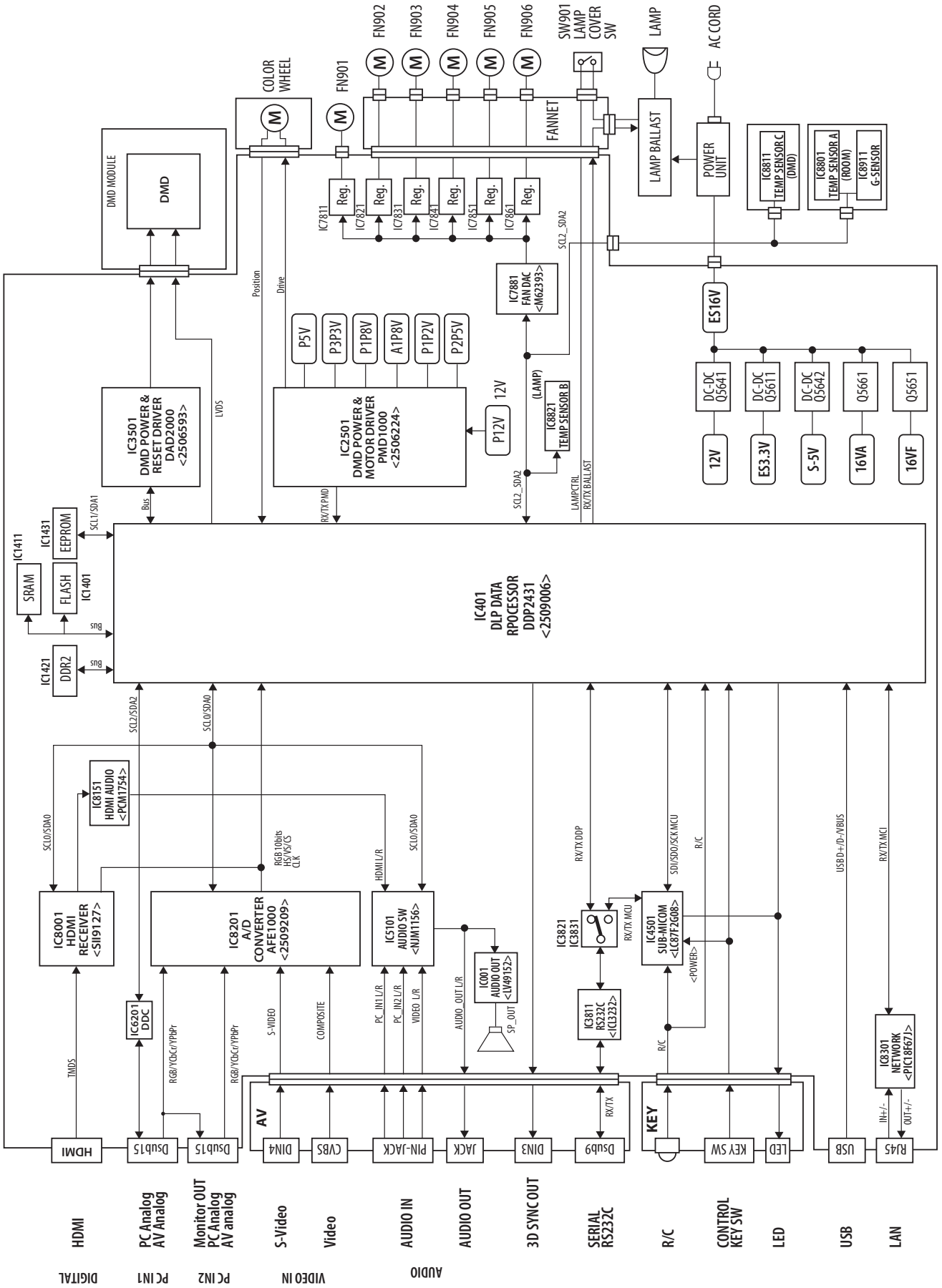
Group/ Item	Item Name	Function	Initial	Range	Note
8	VSBEG		8	0 - 255	
Group 526	**RGB Video (1080PSF - 24)**				
2	H Back Porch		242	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		22	0 - 255	
8	VSBEG		8	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	1	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
Group 530	**Composite (NTSC) For Composite / S-Video**				
2	H Back Porch		78	0 ~ 4095	
3	V Back Porch		18	0 ~ 4095	
7	Overscan		54	0 - 255	
Group 531	**Composite (PAL) For Composite / S-Video**				
2	H Back Porch		2	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		70	0 - 255	
Group 540	**YCbCr (480i)**				
2	H Back Porch		124	0 ~ 4095	
3	V Back Porch		18	0 ~ 4095	
7	Overscan		36	0 - 255	
8	VSBEG		8	0 - 255	
16	Field (SOG)	Even/Odd Phase Compensation	1	0 - 2	
Group 541	**YCbCr (575i)**				
2	H Back Porch		134	0 ~ 4095	
3	V Back Porch		23	0 ~ 4095	
7	Overscan		52	0 - 255	
8	VSBEG		8	0 - 255	
16	Field (SOG)	Even/Odd Phase Compensation	1	0 - 2	
Group 542	**YCbCr (480p)**				
2	H Back Porch		125	0 ~ 4095	
3	V Back Porch		38	0 ~ 4095	
7	Overscan		30	0 - 255	
8	VSBEG		8	0 - 255	
Group 543	**YCrCb (575p)**				
2	H Back Porch		133	0 ~ 4095	
3	V Back Porch		44	0 ~ 4095	
7	Overscan		22	0 - 255	
8	VSBEG		8	0 - 255	
Group 544	**YCrCb (720p - 60)**				
2	H Back Porch		300	0 ~ 4095	
3	V Back Porch		26	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEG		8	0 - 255	
Group 545	**YCrCb (720p - 50)**				
2	H Back Porch		298	0 ~ 4095	
3	V Back Porch		26	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEG		8	0 - 255	
Group 546	**YCrCb (1080i - 60)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEG		8	0 - 255	
Group 547	**YCbCr (1080i - 50)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEG		8	0 - 255	
16	Field (SOG)	Even/Odd Phase Compensation	1	0 - 2	
Group 549	**YCrCb (1080p - 60)**				
2	H Back Porch		234	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		28	0 - 255	
8	VSBEG		8	0 - 255	
Group 550	**YCrCb (1080p - 50)**				
2	H Back Porch		234	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		28	0 - 255	
8	VSBEG		8	0 - 255	

Adjustments

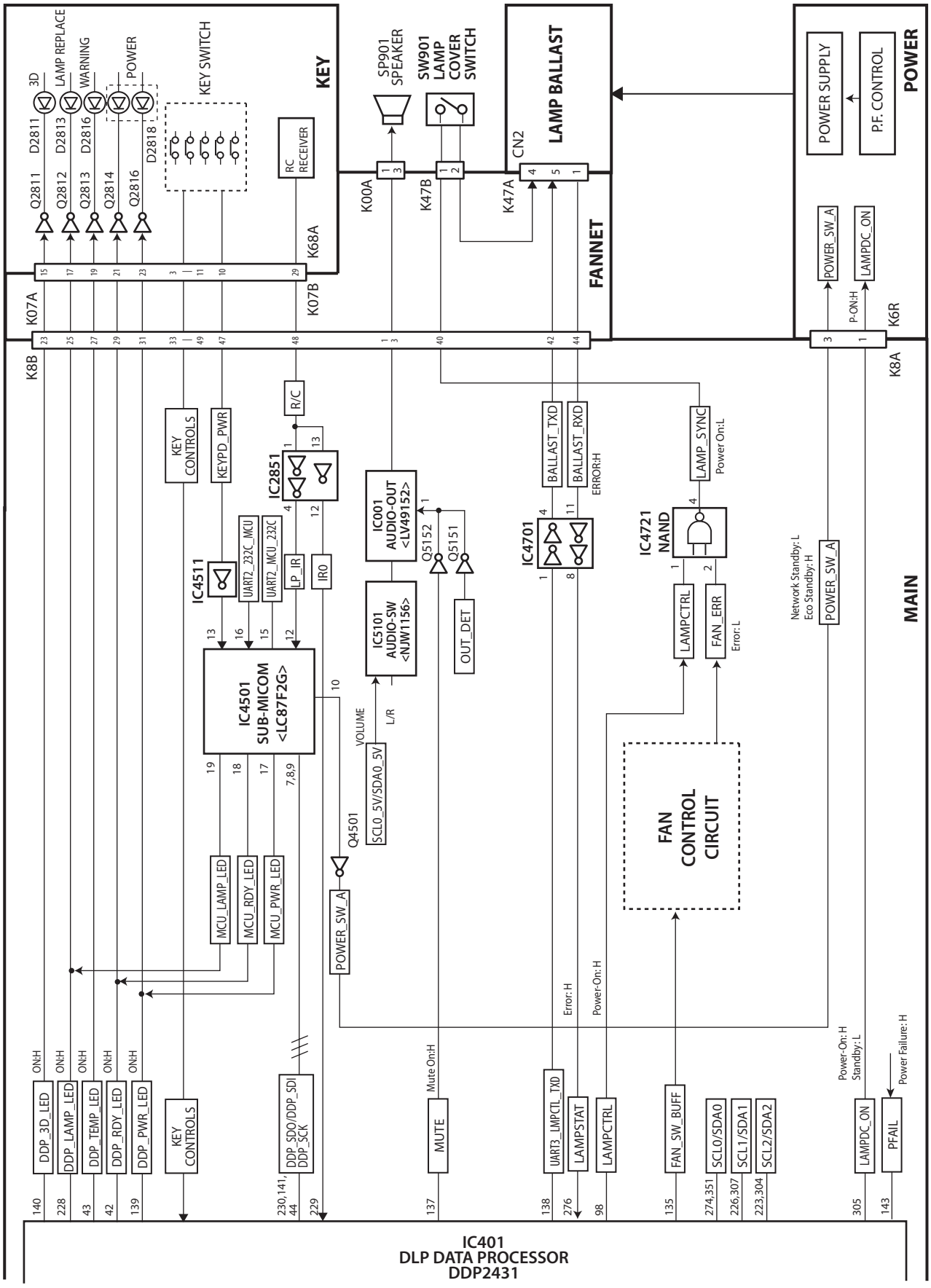
Group/ Item	Item Name	Function	Initial	Range	Note
Group 551	**YCrCb (1080p - 30)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEG		8	0 - 255	
Group 552	**YCrCb (1080p - 25)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEG		8	0 - 255	
Group 553	**YCrCb (1080p - 24)**				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEG		8	0 - 255	
Group 900	**Lamp Option**				
0	Lamp Replace Display	Lamp Warning Display On/Off 0: Off, 1: On	1	0 - 1	
Group 901	**Lamp Warning Time**				
0	Lamp Warning Time (Normal)	Lamp Life at Normal (x 500)	4	1 - 16	
1	Lamp Warning Time (Eco)	Lamp Life at Eco (x 500)	6	1 - 16	
Group 902	**Lamp Reset Counter**				
0	Lamp Counter Reset Times	Reset Times	-	0 - 255	

Chassis Block Diagrams

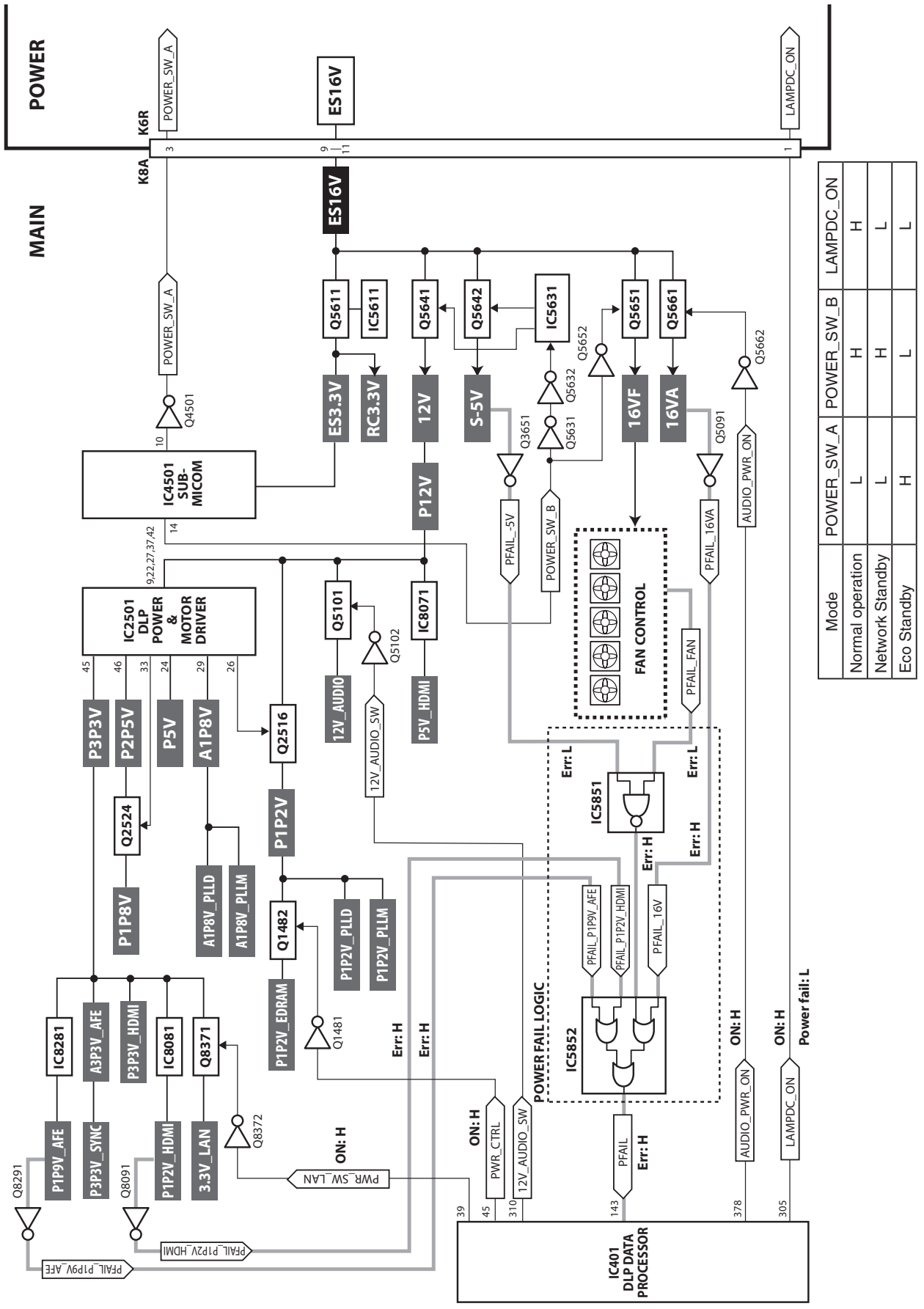
Chassis over view



System control

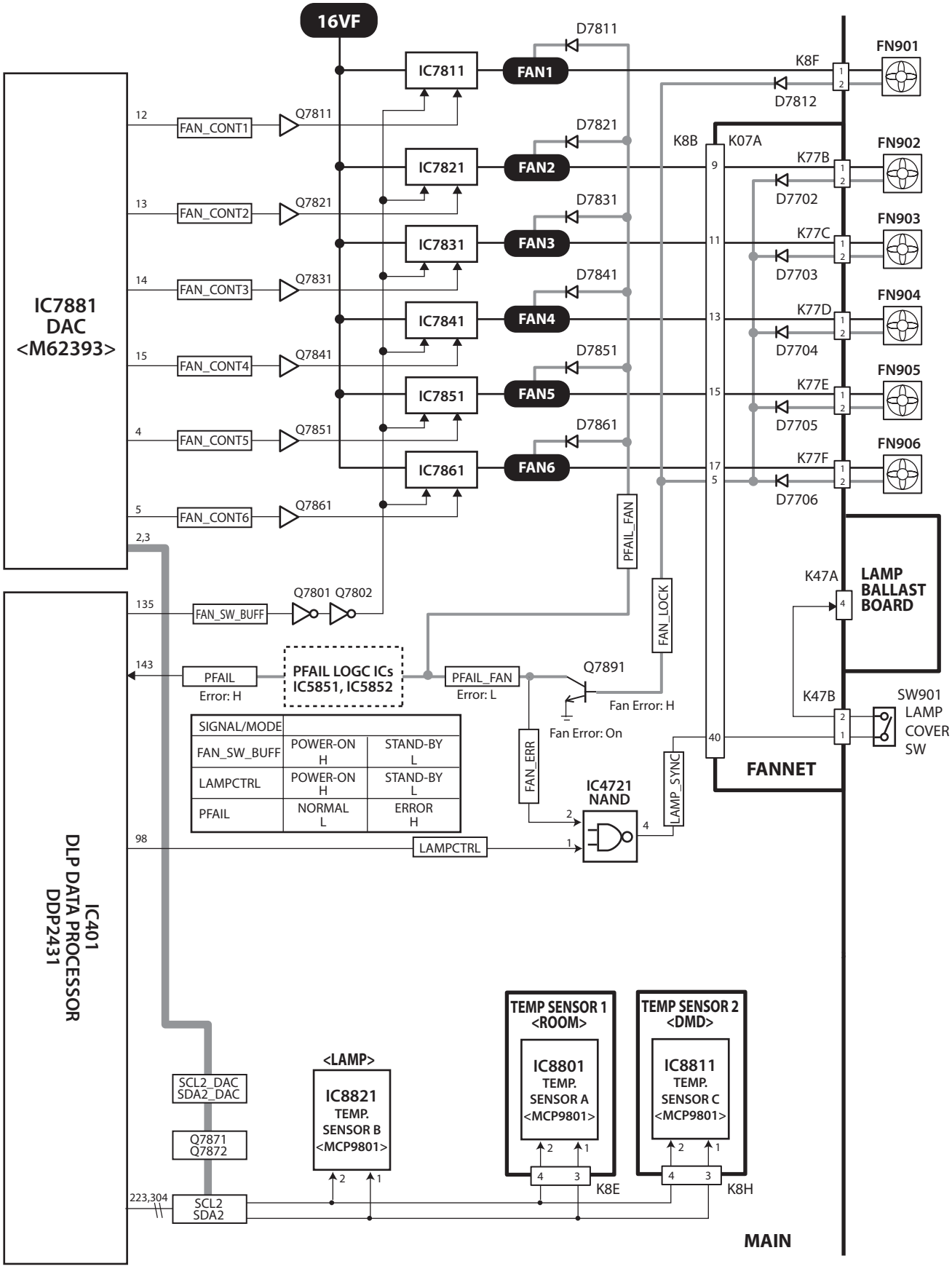


Power supply & protection circuit



Mode	POWER_SW_A	POWER_SW_B	LAMPDC_ON
Normal operation	L	H	H
Network Standby	L	H	L
Eco Standby	H	L	L

Fan control circuit



SIGNAL/MODE		
FAN_SW_BUFF	POWER-ON H	STAND-BY L
LAMPCTRL	POWER-ON H	STAND-BY L
PFAIL	NORMAL L	ERROR H

Troubleshooting

Indicators and Projector Condition

Check the indicators for projector condition.

	Indicators				Projector Condition
	POWER **red/green**	WARNING TEMP **red**	LAMP REPLACE **yellow**	3D **blue**	
Normal condition	●	●	●	●	The projector is off. (The AC power cord is unplugged.)
	○ red	●	✻	❖	The projector is in stand-by mode. Press the ON/STAND-BY button to turn on the projector.
	○ green	●	✻	❖	The projector is operating normally.
	☼ red	●	✻	❖	The projector is preparing for stand-by or the projection lamp is being cooled down. The projector cannot be turned on until cooling is completed and the POWER indicator stops blinking.
	☼ green	●	✻	❖	The projector is in the Power management mode.
	○ green	●	✻	○	The projector is in 3D display mode.
Abnormal condition	☼ red	☼	✻	❖	The temperature inside the projector is abnormally high. The projector cannot be turned on. When the projector is cooled down enough and the temperature returns to normal, the POWER indicator stops blinking and the projector can be turned on. (The WARNING TEMP indicator keeps blinking.)
	○ red	☼	✻	❖	The projector has been cooled down enough and the temperature returns to normal. When turning on the projector, the WARNING TEMP indicator stops blinking.
	●	○	✻	❖	The projector detects an abnormal condition and cannot be turned on. Unplug the AC power cord and plug it again to turn on the projector. If the projector is turned off again, unplug the AC power cord and contact the dealer or the service center for service and checkup. Do not leave the projector on. It may cause an electric shock or a fire hazard.
	○ green	●	○	❖	The lamp has been used overtime. Replace the lamp immediately and then reset the lamp counter. The indicator will be turned off after resetting the counter.

○ • • • on ☼ • • • blinking ● • • • off

✻ /❖ • • • Differs according to conditions

No Power

This projector provides a function which can be specified a defective area simply by indicating the LEDs. Connect the AC cord and press the Power button once and then check the LED indication.

- **When all of LED indicators are not lighting**, the symptom indicates that the primary power supply circuit does not operate properly. Check the power primary circuit and parts as follow;
  AC cord, F601 (Fuse), Line Filter board,
  SW902 (Thermal sw.)..... short in normal
  SW902 opens when the surrounding temperature of the switch exceeds 120°C.

- **When the WARNING TEMP (red) and POWER (red) indicators are blinking**, the symptom indicates that the projector detected an abnormal temperature risen inside the projector. Check the air filter and remove the object near the intake and exhaust fan openings, and wait until the POWER indicator stops blinking, and then try to turn on the projector.
  The internal temperature is monitored by sensor ICs, IC8801 on the Temp Sensor 1 board, IC8811 on the Temp Sensor 2 board, IC8821 on the Main board.

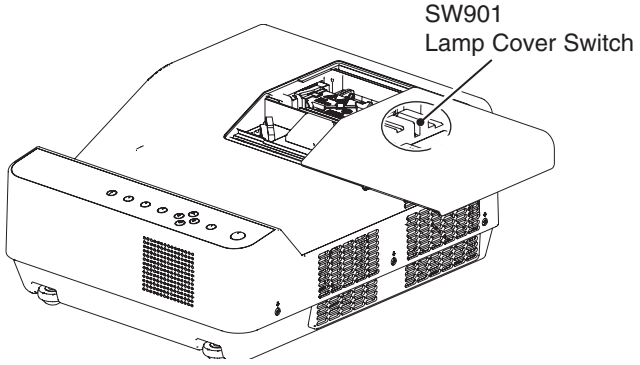
- **When the WARNINGTEMP indicator lights red**, the symptom indicates that the projector detected an abnormality in the cooling fan operation or in the power supply secondary circuits. Check fan operation and power supply lines, and the driving signal status.
  The PFAIL signal (Error: H) is sent to pin 143 of IC401<DLP DATA PROCESSOR> when the abnormality occurred inside the projector, and then the IC401 sends the shutdown signal, LAMPDC_ON, to the power supply circuit to stop its operation, and signal LAMPSYNC is supplied to the lamp ballast board via SW901<lamp cover switch> to stop operation of the lamp circuit. The LAMPSYNC signal is output from pin 98 of IC401 as the name of LAMPCTRL signal.

An abnormality occurs on the secondary power supply;
Check power supplies 12V, S-5V, 16VF, 16VA. The PFAIL signal becomes “High” when the abnormality occurs on any of the power supply lines.

An abnormality occurs on the fan control circuit;
Check FN901, FN902, FN903, FN904, FN905, FN906 and 16VF and peripheral circuit.
If any of the fans has an error, the fan lock signal drives Q7891 becomes "High". As the result, signal PFAIL_FAN becomes Low. This error signal is supplied to the P-Fail logic ICs and it is finally supplied to the pin 143 of IC401 as the PFAIL signal.

An abnormality occurs on the drive signals;
PWR_SW_LAN signal (Power-on: H) is output from pin 39 of IC401 to switch Q8372, 3.3V_LAN supply circuit. PWR_CTRL signal (Power-on: H) is output from pin 45 to switch Q1482, P1P2V_EDRAM supply circuit. AUDIO_12V_SW signal (Poweron:H) is output from pin 310 to switch Q5101, 12V_AUDIO supply circuit. AUDIO_PWR_ON signal (Power-on:H) is output from pin 378 to switch Q5661, 16VA supply circuit.
POWER_SW_B signal (Power-on:H) is output from pin 14 of IC4501 to drive IC5631 (12V, S-5V) and Q5651(16VF).
LAMPDC_ON signal (Power-on: H) is output from pin 305 of IC401 to drive the PFC circuit , IC621, on the power supply board through PC661.
LAMPSTAT signal at the pin 276 of IC401 is applied from the lamp ballast unit. If the abnormality occurred on the lamp ballast unit, LAMPSTAT signal becomes “High” and then IC401 shuts down the power supply circuit.

Lamp Cover switch
Make sure that the lamp cover is mounted correctly. If not or the lamp cover removed, the lamp does not light on for the safety. Check the lamp cover and lamp cover switch (SW901).



No Picture

Check following steps.

No picture with all of input sources — Yes → Check signal processing stage and DMD driving stage;
Check IC401 <DLP Data Processor>, IC2501 <DMD Power&Motor Drive>, IC3501 <DMD Power&Reset Drive> or DMD module and peripheral circuits.

No

No picture with PC1 [Analog RGB] input source only — Yes → Check IC8201 <A/D Converter> and peripheral circuit.
The R1_IN, G1_IN, B1_IN, H1_IN,V1_IN signals are applied to pins 11, 2, 18, 81, 78.

No

No picture with PC2 [Analog RGB] input source only — Yes → Check IC8201 <A/D Converter> and peripheral circuit.
The R2_IN, G2_IN, B2_IN, H2_IN,V2_IN signals are applied to pins 10, 100, 17, 82, 79.

No

No picture with all of computer input sources — Yes → Check PC/AV source selecting stage and processing stage;
Check IC8201 <A/D Converter> and IC401 <DLP Data Processor> and peripheral circuit.

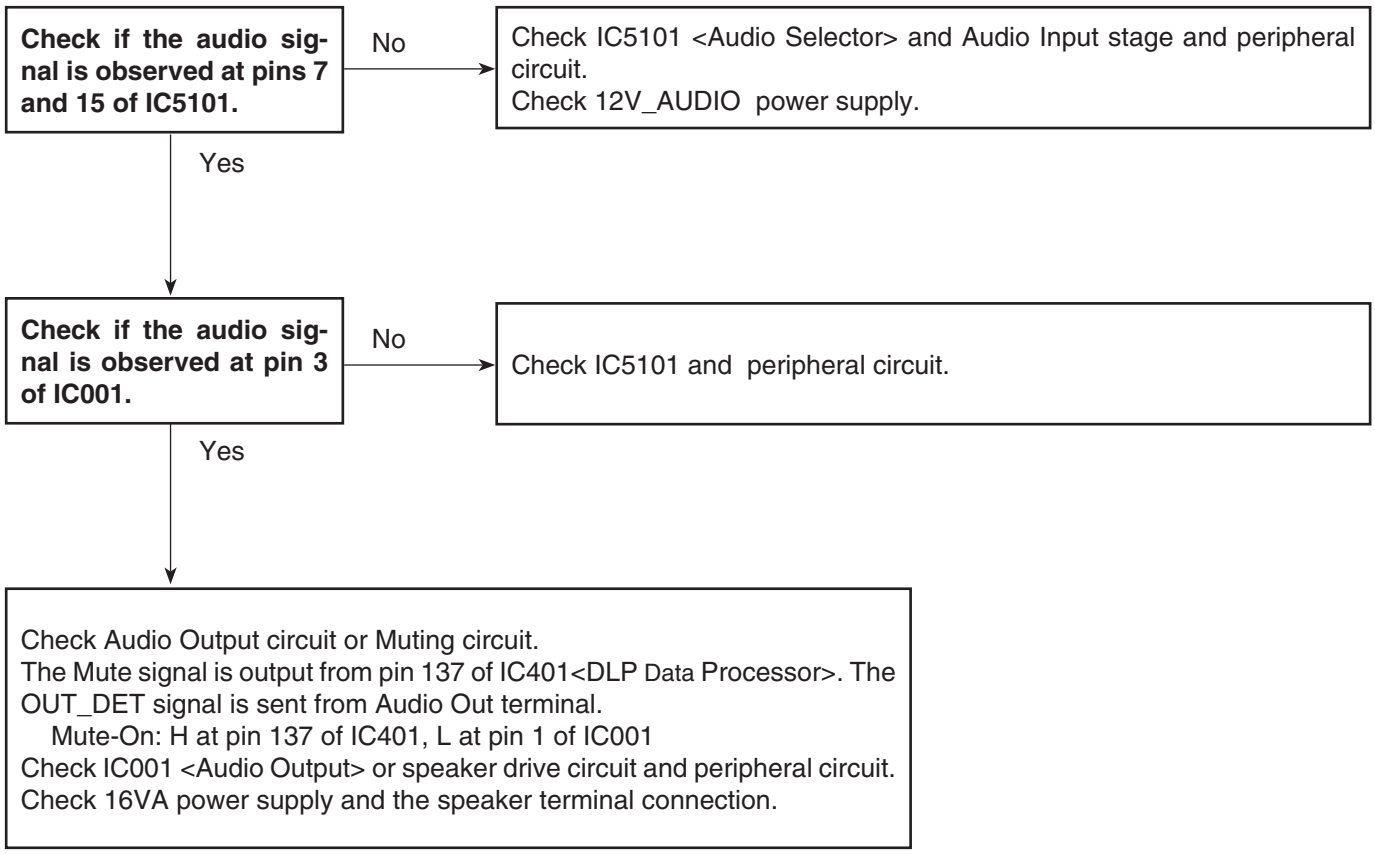
No

No picture with video input sources →

Check AV source selecting and decoding stage;
Check IC8201 <A/D Converter> and IC401 <DLP Data Processor> and peripheral circuit.
S-Video source
Check S-video signal (Y/C).
SC_IN signal is applied to pin 9 of IC8201, and SY_IN signal is applied on pin 98 of IC8201.
Composite video source
Check composite video signal (Video).
The CVBS signal is applied to pin 16 of IC8201.
The SCART_CV signal is applied to pin 97 of IC8201.

No Sound

Check following steps.


Check if the audio signal is observed at pins 7 and 15 of IC5101.
No
Check IC5101 <Audio Selector> and Audio Input stage and peripheral circuit.
Check 12V_AUDIO power supply.
Yes
Check if the audio signal is observed at pin 3 of IC001.
No
Check IC5101 and peripheral circuit.
Yes
Check Audio Output circuit or Muting circuit.
The Mute signal is output from pin 137 of IC401<DLP Data Processor>. The OUT_DET signal is sent from Audio Out terminal.
Mute-On: H at pin 137 of IC401, L at pin 1 of IC001
Check IC001 <Audio Output> or speaker drive circuit and peripheral circuit.
Check 16VA power supply and the speaker terminal connection.

Error Log

This projector provides the error history log function. To check the logs, you need to enter the service mode and select Group No. "220" and Item No. "0" to "49". The error code is displayed on the Data column. The description of the error code is listed on the table below.

* How to enter the service mode and select the group, item and data value, see "Service Adjustment Menu Operation".

Group No.	Item No.	Data (Error Code)
220	0	✻ <- Latest Error
	1	✻
	2	✻
	3	✻
	:	:
	:	:
	49	✻

Error	Error Code	Error Infomation	
Normal	0	-	
Power Failure	1000	MAIN, P_FAIL	Errors on the power supply lines or Fan control
	1001	WHEEL, ERROR	Error on the color wheel
Temperature Error	2000	Sensor A detects abnormal temperature. (IC8801-ROOM)	
	2001	Sensor A fails measurement. (IC8801)	
	2100	Sensor B detects abnormal temperature. (IC8821-LAMP)	
	2101	Sensor B fails measurement. (IC8821)	
	2102	Sensors B-A temperature error.	
	2200	Sensor C detects abnormal temperature. (IC8811-DMD)	
	2201	Sensor C fails measurement. (IC8811)	
	2202	Sensors C-A temperature error.	
Lamp Error	3000	Lamp1 fails on	
	3001	Lamp1 goes out	
	3002	Communication Error on Lamp1	

How to reset the Error Log

1. Enter the Service Mode, and select Group No. "220" and Item No. "50".
2 The history log will be reset when the Data Value is set to "10". The value automatically returns to "0".

* How to enter the service mode and select the group, item and data value, see "Service Adjustment Menu Operation".

Control Port Functions

System Control (DDP, IC401)

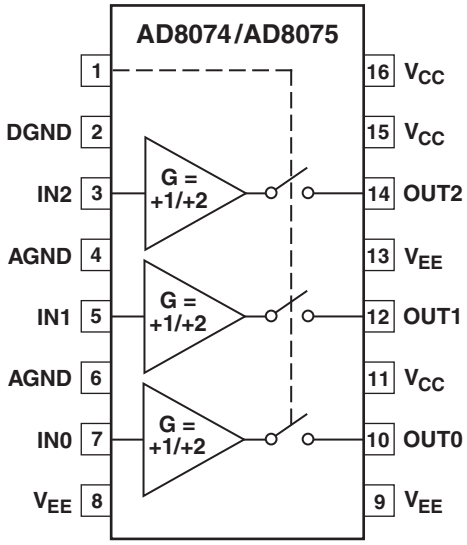
PIN NO.	PORT NO.	SIGNAL NAME	DESCRIPTION	I/O
98	D1	LAMPCTRL	Lamp On: H	O
276	D3	LAMPSTAT	Lamp Error: H	I
190	E2	USB_DAT_PS	USB	I
275	E3	USB_DAT_NS	USB	I
274	F3	SCL0	IIC Bus Control Clock	O
351	F4	SDA0	IIC Bus Control Data	I/O
304	M23	SDA2	IIC Bus Control Data	I/O
223	M24	SCL2	IIC Bus Control Clock	O
134	M25	UART1_MCI_DDP	Serial Control Rxd	I
37	M26	UART1_DDP_MCI	Serial Control Txd	O
192	N2	CWINDEX	Color Wheel Index	O
267	N3	CW_PWM	Color Wheel PWM	O
378	N22	AUDIO_PWR_ON	Audio Power Drive Power-On: H	O
305	N23	LAMPDC_ON	Lamp Power Drive Power-On: H	O
224	N24	UART_SELECT	Serial Select	O
135	N25	FAN_SW_BUFF	Fan Power Drive Power-On: H	O
181	P2	A_DDCSW1	DDC Switch	O
39	P26	PWR_SW_LAN	LAN Power Drive Power-On: H	O
307	R23	SDA1	IIC Bus Control Data	I/O
226	R24	SCL1	IIC Bus Control Clock	O
137	R25	MUTE	Sound Mute Output	O
40	R26	S_SW	S-Video Detect Input	I
138	T25	UART3_LMPCTL_TXD	Serial Control Txd	O
309	U23	3D_TOGGLE	3D Switch	O
228	U24	DDP_LAMP_LED	Lamp LED Drive	O
139	U25	DDP_PWR_LED	Power LED Drive	O
42	U26	DDP_RDY_LED	Ready LED Drive	O
310	V23	12V_AUDIO_SW	12V Audio Power Drive Power-On: H	O
229	V24	IR0	Remote Control Input	I
140	V25	DDP_3D_LED	3D LED Drive	O
43	V26	DDP_TEMP_LED	Warning LED Drive	O
311	W23	SCART_SW	SCART Input Switch	O
230	W24	DDP_SDC	3 Serial Data Output	O
141	W25	DDP_SDI	3 Serial Data Input	I
44	W26	DDP_SCK	3 Serial Clock	O
142	Y25	UART2_DDP_232C	Serial Control Txd	O
45	Y26	PWR_CTRL	RAM Power Drive	O
143	AA25	PFAIL	Power Fail Detection Input H: Error	I
45	AA26	UART2_232C_DDP	Serial Control Rxd	I
329	AC9	P1_FIELD	Field Input	I
328	AC10	P1_VSYNC	VSYNC Input	I
320	AC18	ALF_HSYNC	HSYNC Input	I
320	AC20	KEYPD_KEYSTONE	Key COntrol Input KeyStone	I
317	AC21	KEYPD_SETUP	Key Control Input Setup	I
230	AD9	P1_HSYNC	HSYNC Input	I
240	AD19	ALF_VSYNC	VSYNC Input	I
239	AD20	KEYPD_SEL	Key Control Input Select	I
238	AD21	KEYPD_DOWN	Key Control Input Down	I
237	AD22	CABLE_SW	Cable Switch Drive	O
152	AE20	KEYPAD_PWR_DDP	Key Control Input Pwer	I
151	AE21	KEYPAD_UP	Key Control Input Up	I
150	AE22	KEYPAD_RIGHT	Key Control Input +	I
57	AF19	ALF_CSYNC	CSYNC Input	I
56	AF21	KEYPD_MENU	Key Control Input Menu	I
55	AF22	KEYPD_LEFT	Key Control Input -	I
54	AF23	MONITOR_OUT	Monitor Out Switch Output	O

IIC Bus D/A Converter (Fan Control, IC7881)

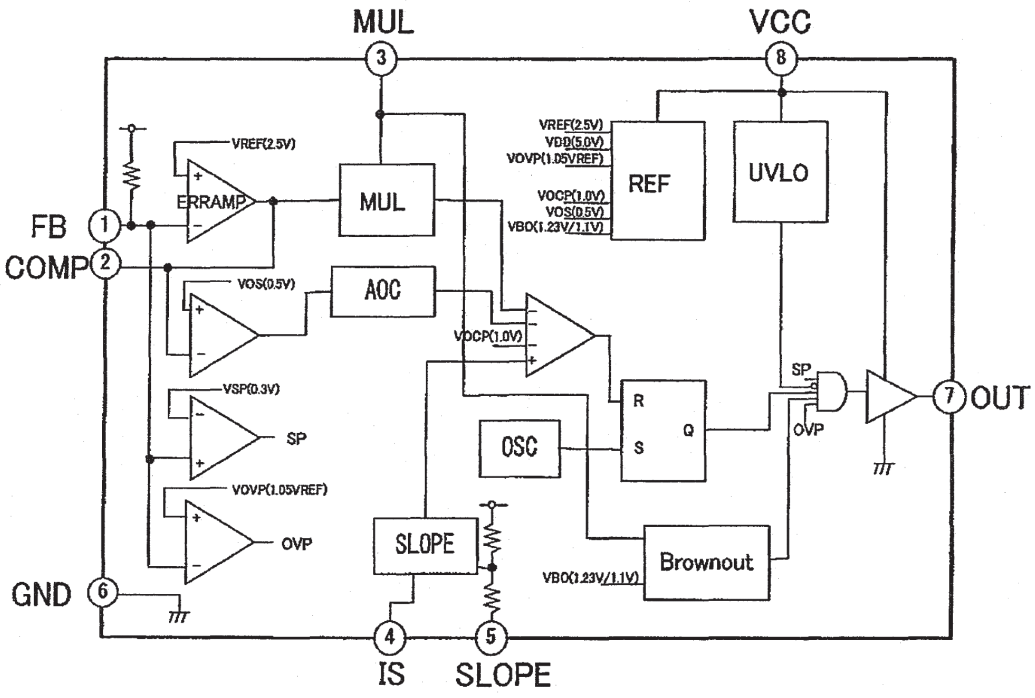
PIN NO.	FUNCTION NAME	FUNCTION	POL.	ACTION	
				Stand-by	Power On
1	Reset Input		I	->	
2	IIC BUS SCL		I	->	
3	IIC BUS SDA		I/O	->	
4	FAN_CONT5	FN905 Control Voltage (Power Box Exhaust Fan)	AO	->	0:FAN Max ~ 255:FAN Min
5	FAN_CONT6	FN906 Control Voltage (Color Wheel Intake Fan)	AO	->	0:FAN Max ~ 255:FAN Min
6				->	
7		FAN_FN902 Control Voltage (PBS Cooling)	AO	->	0:FAN Max ~ 255:FAN Min
8	GND		-	->	
9	DAC Upper Ref. Voltage(CH5~CH8)		-	->	
10	GND		-	->	
11	DAC Upper Ref. Voltage (CH1~CH4)		-	->	
12	FAN_CONT1	FN901 Control Voltage (Intake Fan)	AO	->	0:FAN Max ~ 255:FAN Min
13	FAN_CONT2	FN902 Control Voltage (Lamp Intake Fan Top)	AO	->	0:FAN Max ~ 255:FAN Min
14	FAN_CONT3	FN903 Control Voltage (Lamp Intake Fan Bottom	AO	->	0:FAN Max ~ 255:FAN Min
15	FAN_CONT4	FN904 Control Voltage (Lamp Exhaust Fan)	AO	->	0:FAN Max ~ 255:FAN Min
16	Power for Output Buffer (4.5V ~ 5.5V)		-	->	
17	Power Supply +5V±10%		-	->	
18	Slave Address Setting Pin2 (Vdd)		I	->	H
19	Slave Address Setting Pin1 (Vdd)		I	->	H
20	Slave Address Setting Pin0 (Vdd)		I	->	H

IC Block Diagrams

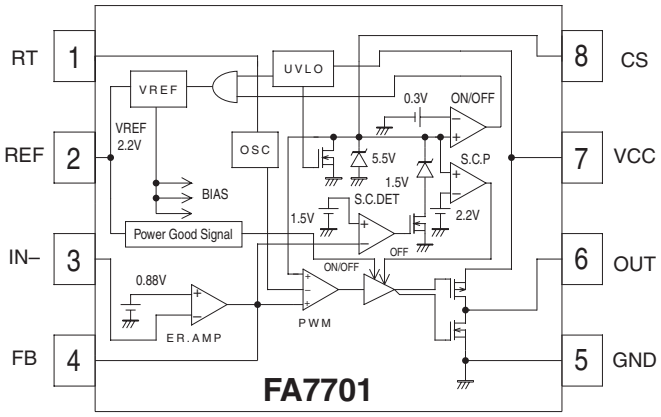
● AD8075ARU <RGB Switch, IC4001>



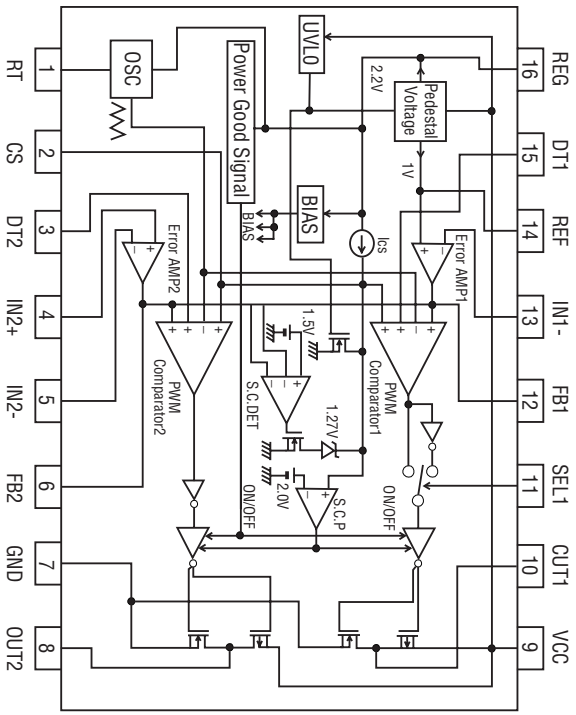
● FA5550NG <P.F. Control, IC621>



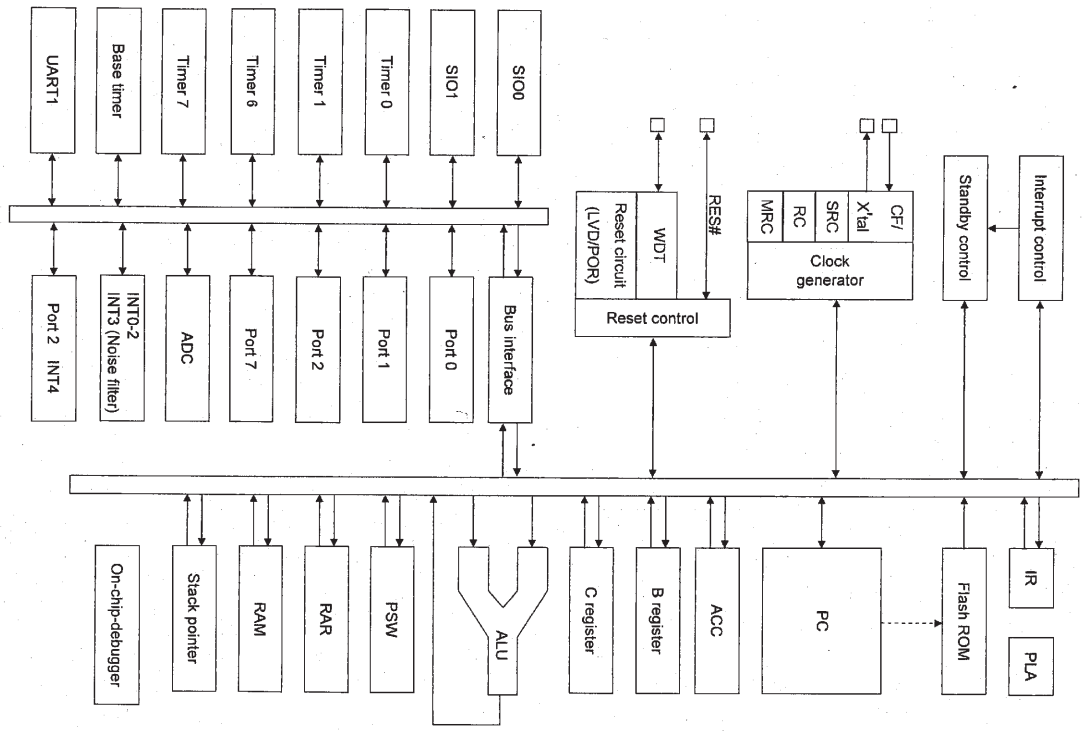
● FA7701 <DC-DC Control, IC5611>



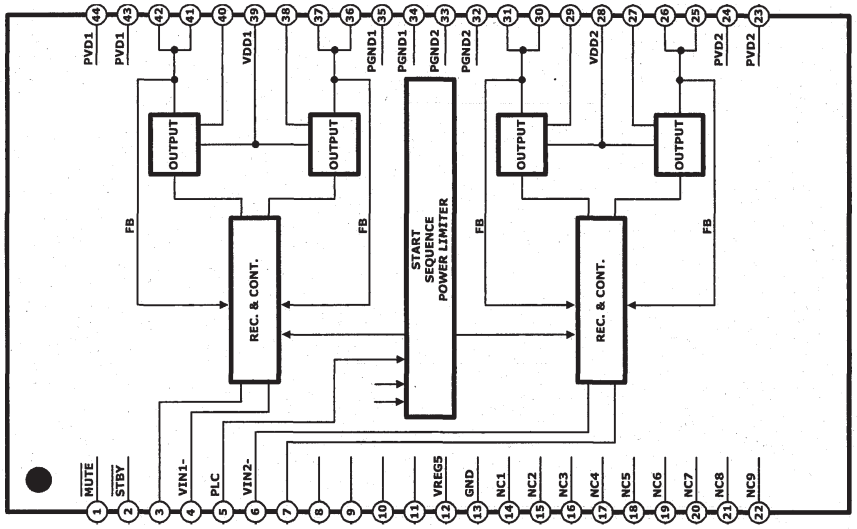
● FA7703 <DC-DC Control, IC5631>



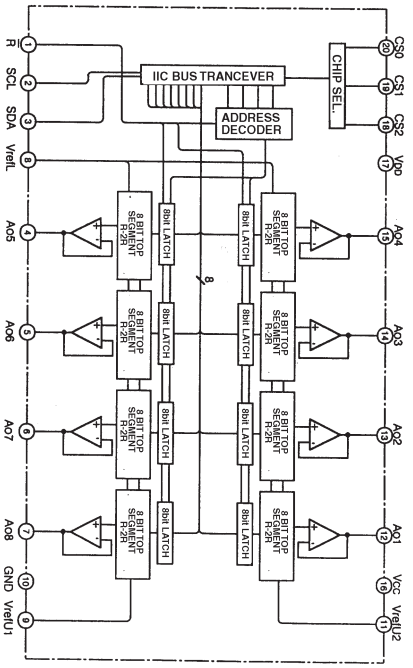
● LC87F2G08A <Sub Micom, IC4501>



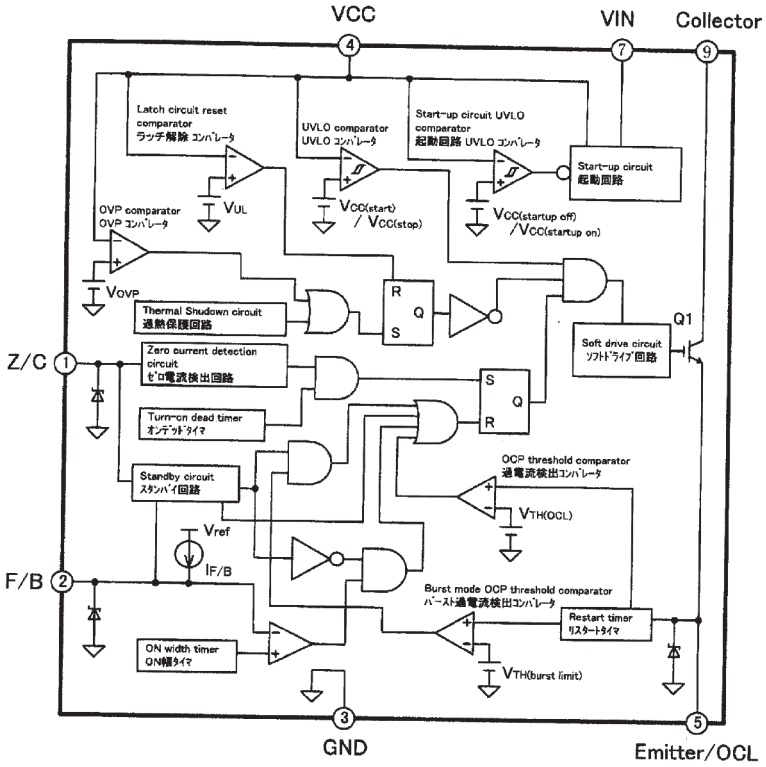
● LV49152V <Audio Output, IC001>



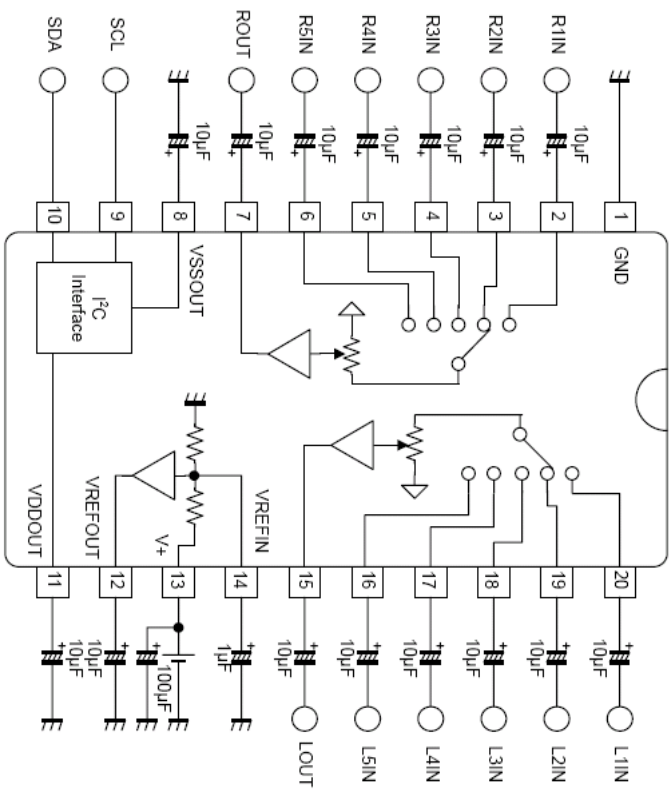
● M62393 <DAC,IC7881>



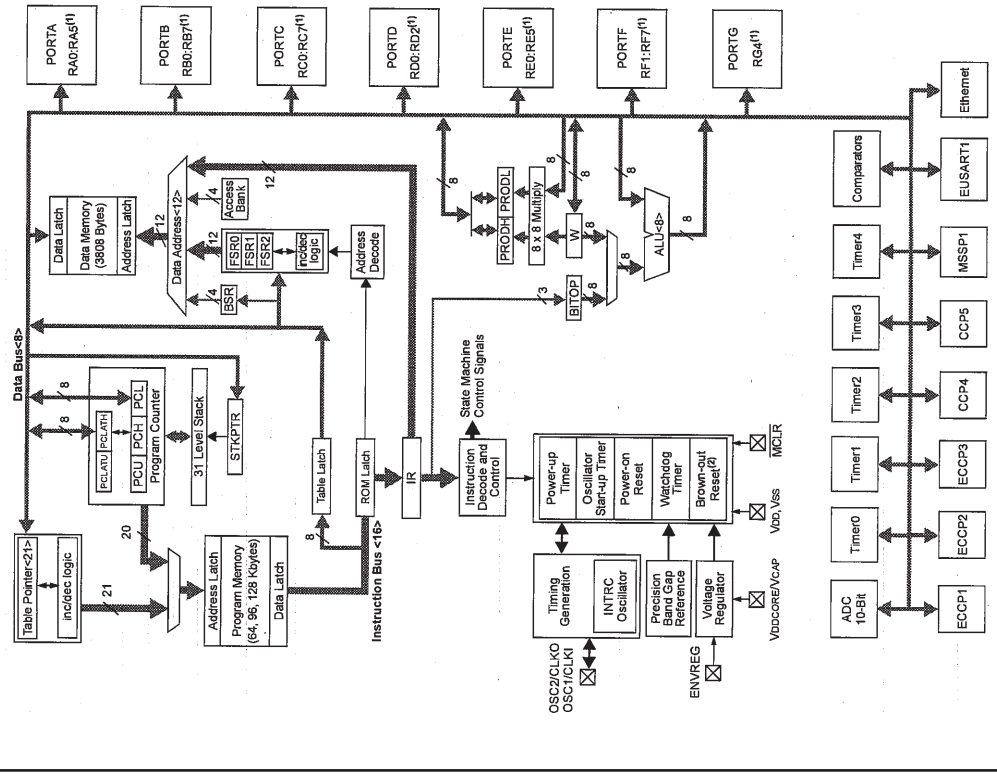
● MR4010 <Power Switching, IC631>



● NJW1156 <Audio Selector,IC5101>

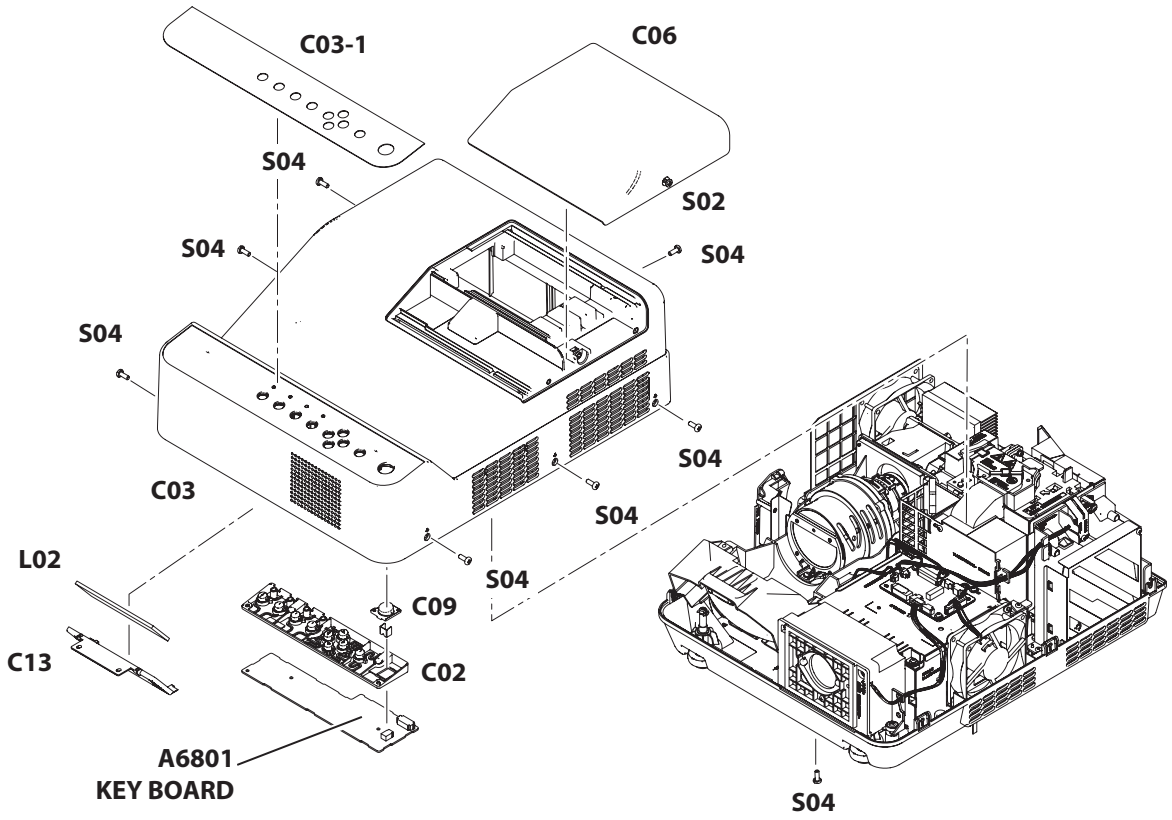


● PIC18F67J60 <Network, IC8301>

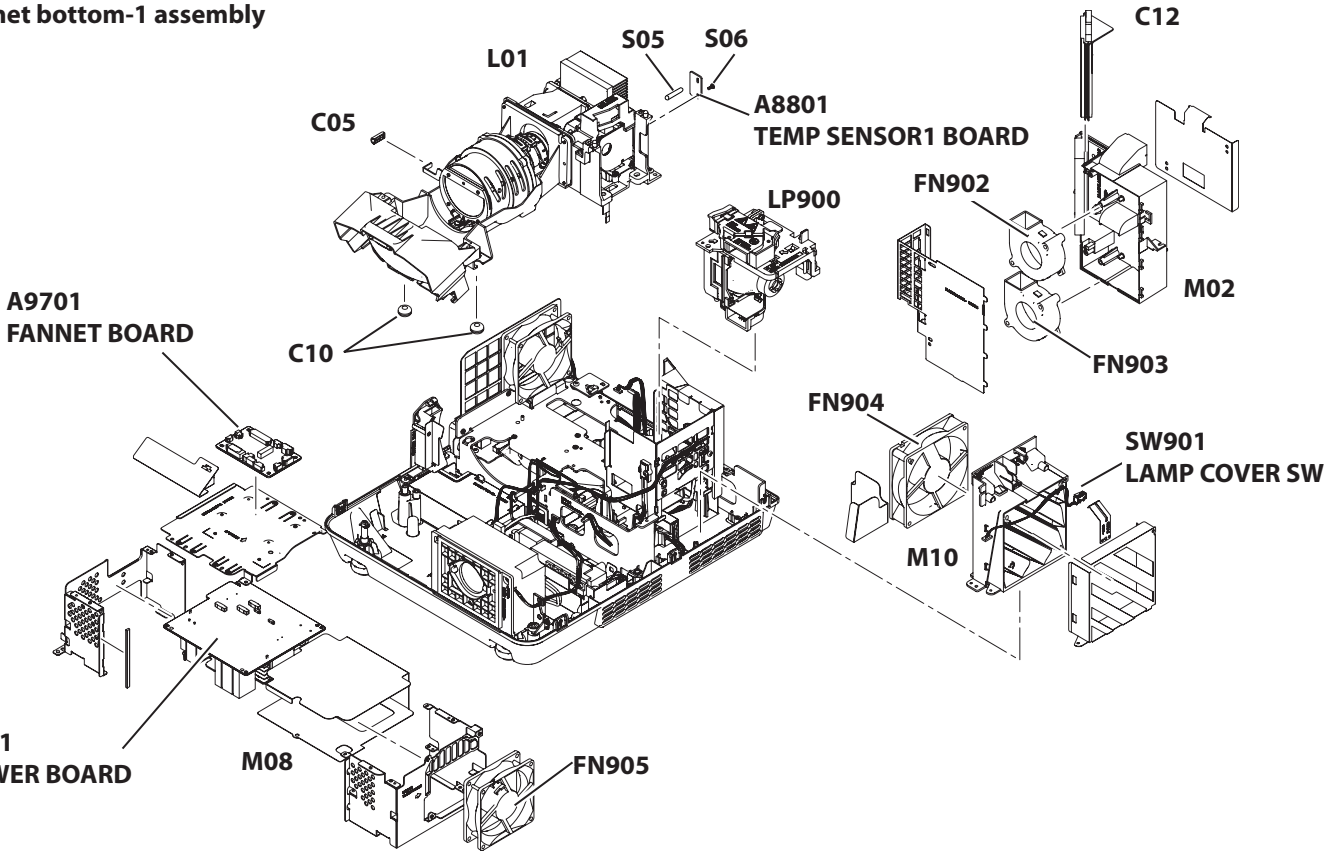


Parts Location Diagrams

Cabinet top assembly

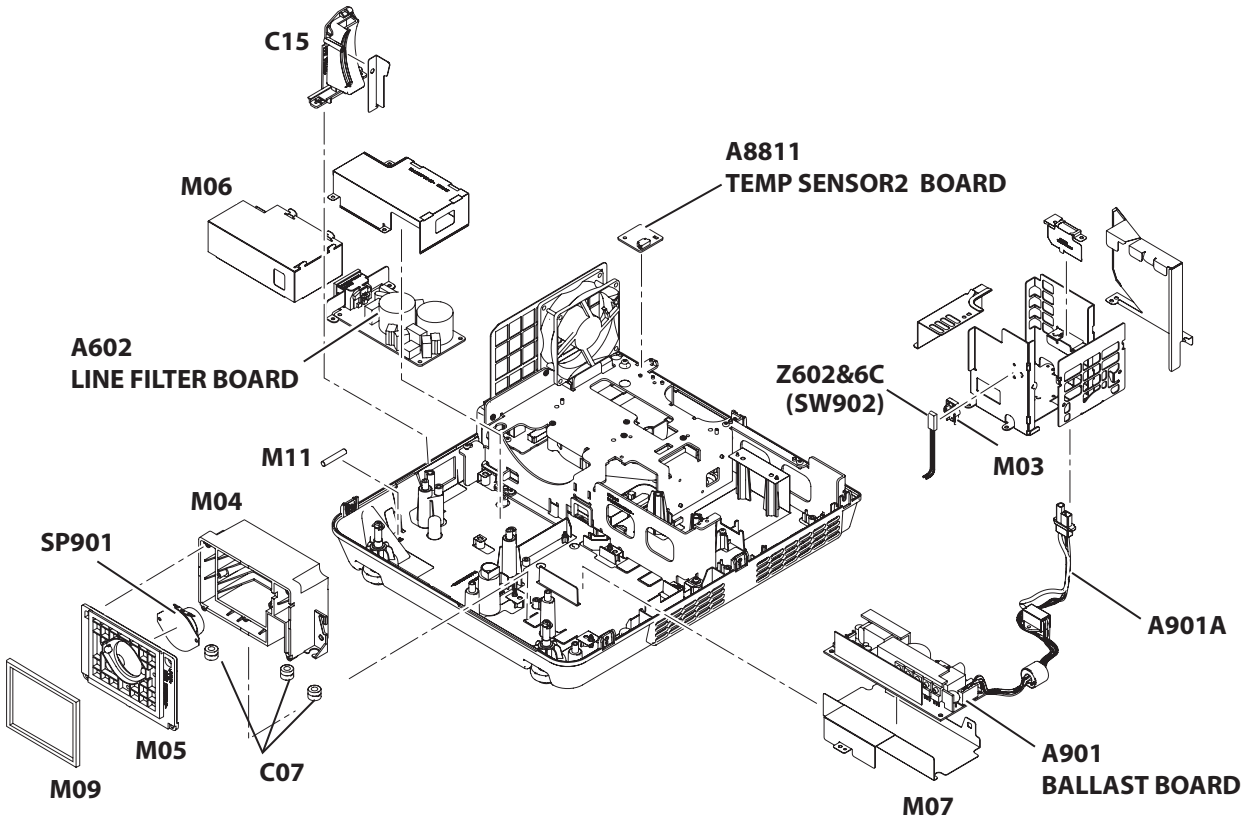


Cabinet bottom-1 assembly

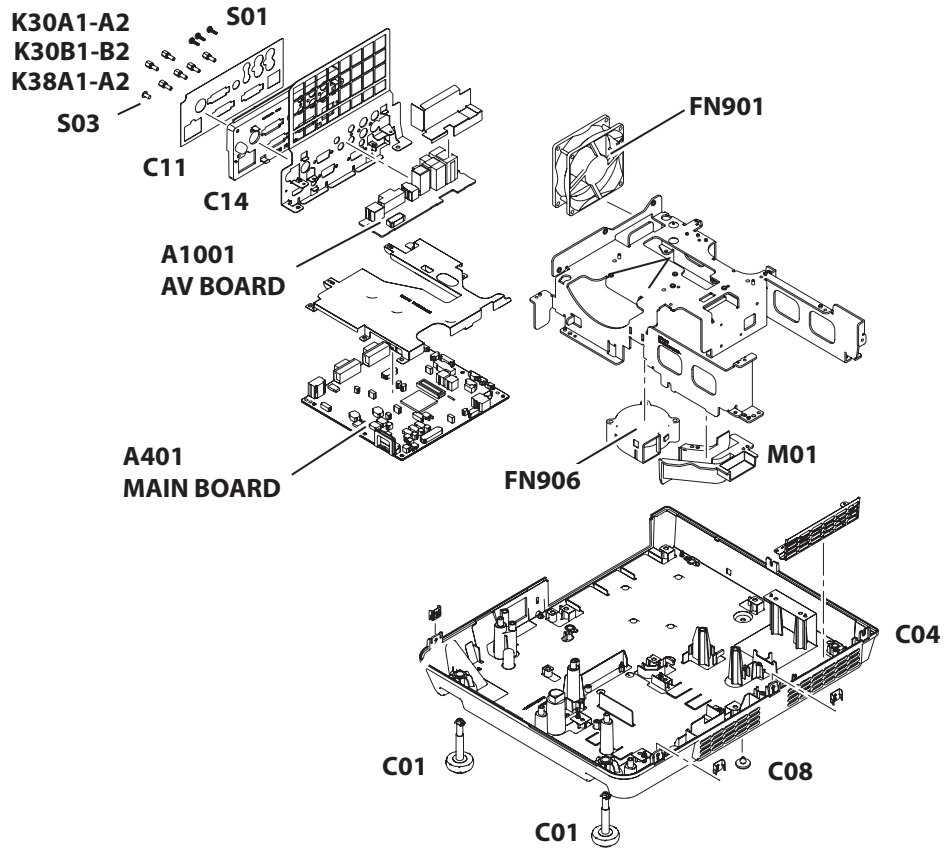


Parts Location Diagrams

Cabinet bottom-2 assembly

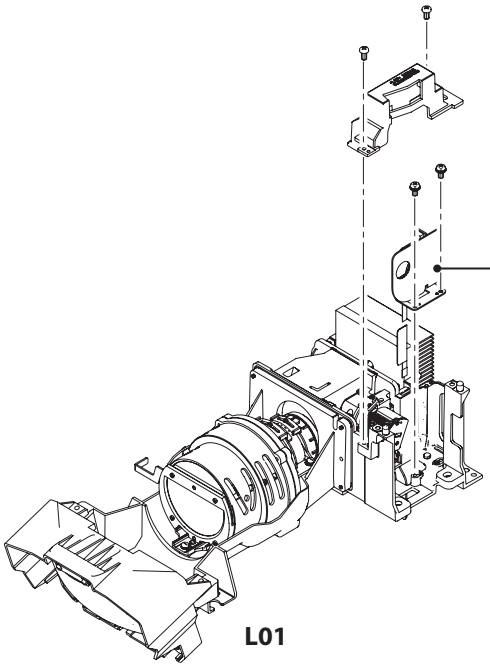


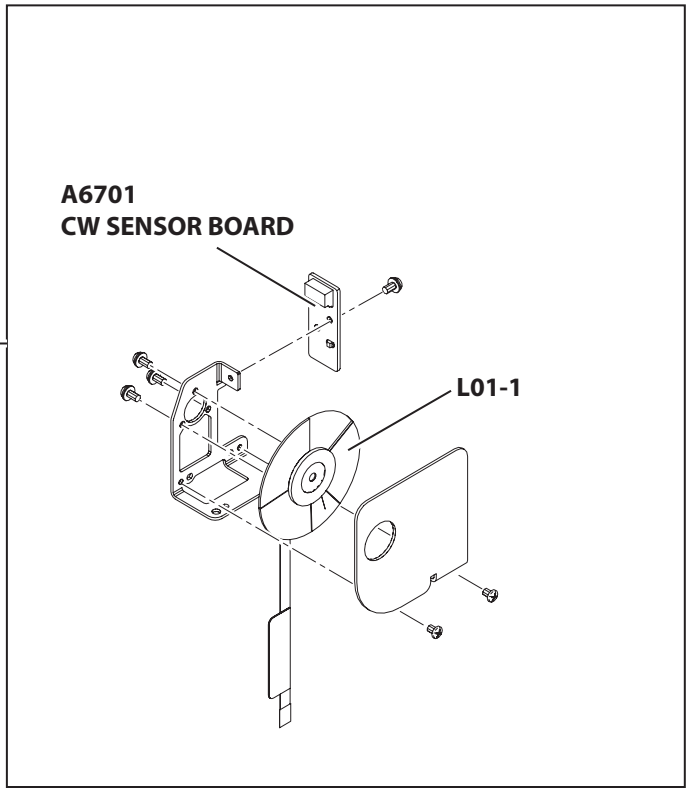
Cabinet bottom-3 assembly



Parts Location Diagrams

Color Wheel

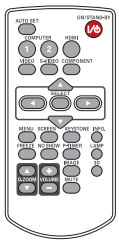




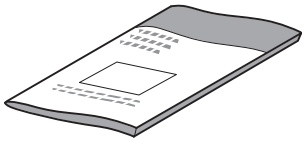
* L01 provides with A6701 and L01-1.

● Accessories (see accessories parts list)

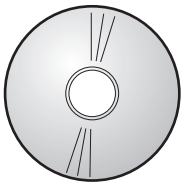
REMOTE CONTROL



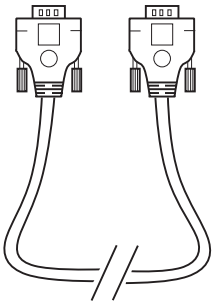
MANUALs



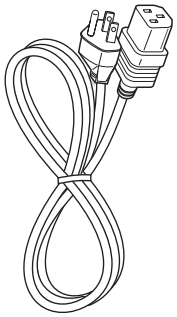
CD-ROMs



VGA CABLE



AC CORD



Mechanical Parts List

Note: Parts order must contain Chassis No., Part No., and Descriptions.

Key No.	Part No.	Description
PACKING MATERIALS		
	610 351 3874	CARTON CASE-KG8AC
	610 346 9249	POLY BAG
	610 351 3782	CASE ACCESSORY-KG8AC
	610 351 3652	CUSHION BOTTOM-KG8AC
	610 351 3690	CUSHION TOP-KG8AC
ACCESSORIES		
OWNER'S MANUAL		
	610 351 3386	CD-ROM,OWNERS MANUAL-KG8AC
	610 351 3324	SETUP INST MANUAL-KG8AC
REMOTE CONTROL		
	645 103 3048	ASSY,REMOCON MXBT
	610 344 9944	RC-BATTERY LID-MXAC
⚠**AC CORD**		
US	945 064 6363	CORD,POWER-3.0MK,US
EU	945 054 1156	CORD,POWER-3.0MK
UK	945 054 1149	CORD,POWER-3.138MK
BRA	645 102 6996	CORD,POWER-2.5MK,BRA
MISCELLANEOUS		
	945 073 4855	CABLE,INTERFACE VGA
	645 093 1642	CABLE,INTERFACE VGA
	652 002 9552	CABLE,INTERFACE VGA
MECHANICAL PARTS		
CABINET PARTS		
C01	610 350 5954	ASSY,STAND LEG-KG8AC
C02	610 350 5961	BUTTON CONTROL-KG8AC
C03	610 351 3805	CABINET TOP SERVICE KG8AC
C03-1	610 353 1359	DEC CONTROL SHEET A-KG8AC
C04	610 350 5992	CABINET BOTTOM-KG8AC
C05	610 350 6005	CAP FOCUS LEVER-KG8AC
C06	610 350 6050	COVER LMP-KG8AC
C07	610 351 9845	DAMPER,BUSH-KG8AC
C08	610 346 8495	DEC LEG-KA8AL
C09	610 350 6098	DEC RC-KG8AC
C10	610 353 0741	BUSH OPTICAL LNS-KG8AC
C11	610 350 6081	DEC AV SHEET-KG8AC
C12	610 350 6111	FLT BASE LMP IN-KG8AC
C13	610 350 6265	MOUNTING COVER GL-KG8AC
C14	610 350 6296	PANEL AV-KG8AC
C15	610 350 6340	PANEL LEVER-KG8AC
CHASSIS PARTS		
M01	610 351 6547	COVER DUCT CW-KG8AC
M02	610 350 6173	HOLDER FN LMP IN-KG8AC
M03	610 350 6180	HOLDER TMP SW-KG8AC
M04	610 350 6258	HOLDER SP BACK-KG8AC
M05	610 350 6241	HOLDER SP FRONT-KG8AC
M06	610 350 6326	SPACER SHEET AC-KG8AC
M07	610 350 6371	SPACER SHEET BST B-KG8AC
M08	610 351 3638	SPACER SHEET POW T-KG8AC
M09	610 351 3539	SPACER SP-KG8AC
M10	610 352 3958	SHIELD LMP EXH C-KG8AC
M11	610 353 2509	STOPPER BOSS A-KG8AC

Key No.	Part No.	Description
SCREWS		
S01	411 185 8802	SCR S-TPG PAN 3X8
S02	412 079 6409	SPECIAL SCREW
S03	412 077 6401	SPECIAL SCREW
S04	411 031 9304	SCR BIN 3X8
S05	411 221 3303	SCR SET HEX-SCT 2.5X12
S06	411 192 7607	SCR BIN 2.5X6
OPTICAL PARTS		
L01*	610 351 3478	COMPL,OPT MIR ENG-KG8AC
A6701	610 348 4785	ASSY,PWB,CW SENSER KG8AC
L01-1	645 103 3789	OPTICAL FILTER(CW)
L02	645 103 3819	OPTICAL FILTER (B270)

* L01 provides Key No. A6701 and L01-1.

Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector.
Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● **Read Description in the parts list**

Read description in the Capacitor and Resistor as follows:

CAPACITOR CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:

Less than 10pF

A : Not specified	B : ±0.1pF	C : ±0.25pF
D : ±0.5pF	E : +0 -1pF	F : ±1PF
G : ±2pF	H : +0.1 -0pF	L : +0 -0.1pF
R : ±0.25 -0pF	S : +0-0.25pF	

More than 10pF

A : Not specified	B : ±0.1%	C : ±0.25%
D : ±0.5%	F : ±1%	G : ±2%
H : ±3%	J : ±5%	K : ±10%
L : ±15%	M : ±20%	N : ±30%
P : +100-0%	Q : +30-10%	T : +50-10%
U : +75-10%	V : +20-10%	W : +100-10%
X : +40-20%	Y : +150-10%	Z : +80-20%

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC	Ceramic
MT-PAPER	Metallized Paper
POLYESTER	Polyester
MT-POLYEST	Metallized Polyester
POLYPRO	Polypropylene
MT-POLYPRO	Metallized Polypropylene
COMPO FILM	Composite film
MT-COMPO	Metallized Composite
STYRENE	Styrene
TA-SOLID	Tantalum Oxide Solid Electrolytic
AL-SOLID	Aluminium Solid Electrolytic
ELECT	Aluminum Foil Electrolytic
NP-ELECT	Non-polarised Electrolytic
OS-SOLID	Aluminium Solid with Organic Semiconductive Electrolytic
POS-SOLID	Polymerized Organic Semiconductive
DL-ELECT	Double Layered Electrolytic
PPS-FILM	Polyphenylene Sulfide Film
MT-PPS-FILM	Metalized Polyphenylene Sulfide Film
MT-PEN-FILM	Metalized Polyethylenenaphthalate Film
CAPACITOR	Other

RESISTOR CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:
A: General B: Non flammable Z: Low noise
Other: Temperature coefficient

T: ±10ppm/°C	U: ±25ppm/°C	C: ±50ppm/°C
D: ±100ppm/°C	E: ±200ppm/°C	F: ±250ppm/°C
G: ±350ppm/°C	H: ±1000ppm/°C±10%	W: ±1200ppm/°C±10%
Y: ±1400ppm/°C±10%	J: ±2000ppm/°C±10%	K: ±2400ppm/°C±10%
L: ±2700ppm/°C±10%	M: ±3000ppm/°C±10%	N: ±3300ppm/°C±10%
P: ±3600ppm/°C±10%	Q: ±3900ppm/°C±10%	R: ±4200ppm/°C±10%
S: ±4300ppm/°C±10%	V: ±4500ppm/°C±10%	X: ±8000ppm/°C±10%

Tolerance Symbols:
A: ±0.05% B: ±0.1% C: ±0.25% D: ±0.5%
F: ±1% G: ±2% J: ±5% K: ±10%
M: ±20% P: +5-15% Z: 0 ohm

Rated value, ohms:
K: 1,000, M: 1,000,000

Material:

CARBON	Carbon
MT-FILM	Metal Film
OXIDE-MT	Oxide Metal Film
SOLID	Composition
MT-GLAZE	Metal Glaze
WIRE WOUND	Wire Wound
CERAMIC RES.	Ceramic
FUSIBLE RES.	Fusible
RESISTOR	Other

Electrical Parts List

Key No.	Part No.	Description
ASSEMBLED BOARDS		
⚠ **A401**	**610 350 0096**	**ASSY,PWB,MAIN KG8AC**
⚠ **A1001**	**610 350 0072**	**ASSY,PWB,AV KG8AC**
⚠ **A6801**	**610 350 0119**	**ASSY,PWB,KEY KG8AC**
⚠ **A8801**	**610 350 0102**	**ASSY,PWB,TEMP SENSOR1 KG8AC**
⚠ **A8811**	**610 350 0126**	**ASSY,PWB,TEMP SENSOR2 KG8AC**
⚠ **A9701**	**610 350 1161**	**ASSY,PWB,FANNET KG8AC**
⚠ **A601**	**610 350 1406**	**ASSY,PWB,POWER.KG8AC**
⚠ **A602**	**610 350 1420**	**ASSY,PWB,LINE FILTER KG8AC**
OUT OF CIRCUIT BOARD		
L901	945 023 4959	CORE,CLAMP
L902	945 033 2228	CORE,FERRITE
	645 085 6051	CORE,FERRITE
L903	945 003 3835	CORE,FERRITE
	652 003 1098	CORE,CLAMP
L904	945 003 3835	CORE,FERRITE
	652 003 1098	CORE,CLAMP
L905	945 003 3835	CORE,FERRITE
	652 003 1098	CORE,CLAMP
⚠ LP900	610 351 3744	COMPL,OPT LMP-KG8AC
⚠ A901	645 103 0627	UNIT,BALLAST
⚠ A901A	610 351 3768	CABLE,BALLAST KG8AC
⚠ FN901	645 103 5080	MOTOR,FAN DC 2.28W
⚠ FN902	645 103 5097	MOTOR,BLW DC 3.96W
⚠ FN903	645 103 5103	MOTOR,BLW DC 3.96W
⚠ FN904	645 103 5073	MOTOR,FAN DC 3.0W
⚠ FN905	645 103 5080	MOTOR,FAN DC 2.28W
⚠ FN906	645 103 5110	MOTOR,BLW DC 3.96W
K30A1	312 073 0406	SPECIAL SCREW
K30A2	312 073 0406	SPECIAL SCREW
K30B1	312 073 0406	SPECIAL SCREW
K30B2	312 073 0406	SPECIAL SCREW
K38A1	312 073 0406	SPECIAL SCREW
K38A2	312 073 0406	SPECIAL SCREW
SP901	652 003 2699	SPEAKER,8
SW901	645 097 3925	SWITCH,MICRO 1P-2T
⚠ Z602&6C	652 003 3092	ASSY,WIRE+SW902
A401	**610 350 0096**	**ASSY,PWB,MAIN KG8AC**
TRANSISTOR		
Q1481	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1482	305 200 9314	TR 2SK3492-TL-E
Q2021	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2031	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2041	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2516	305 200 9314	TR 2SK3492-TL-E
Q2524	305 200 9314	TR 2SK3492-TL-E
Q2851	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3001	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3011	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3021	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3031	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3032	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3033	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3051	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB

Electrical Parts List

Key No.	Part No.	Description
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3052	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q3061	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3062	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q3071	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3072	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q3081	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3082	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3083	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3084	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3651	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3831	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q4011	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q4012	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q4021	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q4051	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q4052	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q4053	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q4501	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q4701	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q4702	305 191 5814	TR 3LN01C-TB-E
Q4703	305 191 5814	TR 3LN01C-TB-E
Q5061	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S

Electrical Parts List

Key No.	Part No.	Description
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5091	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5101	305 217 6917	TR TPC6107 TE85L
Q5102	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5121	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5122	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5123	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5124	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5131	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q5141	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5142	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5151	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5152	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5611	305 217 8515	TR RSQ025P03-TR
Q5621	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5622	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5631	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5632	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5641	305 217 8515	TR RSQ025P03-TR
Q5642	305 217 8515	TR RSQ025P03-TR
Q5651	305 047 9010	TR 2SB1204-S-TL-E
Q5652	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5661	305 217 6917	TR TPC6107 TE85L
Q5662	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6201	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0

Electrical Parts List

Key No.	Part No.	Description
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6221	305 191 5814	TR 3LN01C-TB-E
Q6222	305 191 5814	TR 3LN01C-TB-E
Q7801	305 217 5019	TR RN1117 TE85L
Q7802	305 217 5019	TR RN1117 TE85L
Q7811	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7821	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7831	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7841	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7851	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7861	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7871	305 191 5814	TR 3LN01C-TB-E
Q7872	305 191 5814	TR 3LN01C-TB-E
Q7891	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q8091	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q8291	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q8371	305 217 6917	TR TPC6107 TE85L
Q8372	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S

INTEGRATED CIRCUIT

IC1401	410 717 0307	IC M29DW256G70NF6E-1292
IC1411	410 711 7104	IC CY62157EV30LL-45ZSXIT
	410 714 1604	IC IS62WV51216BLL-55TLI
IC1421	410 645 8505	IC EDE5116AJBG-6E-E
	410 691 7408	IC A3R12E4JFF-G8E
IC1431	310 538 4907	IC 24LC64T-I/SNG
IC1451	410 659 6504	IC PQ1DX095MZPQ
IC1491	309 487 5727	IC TC7SZ125FU
IC1492	410 677 2205	IC TC7PA05FU(TE85L,F)
IC2501	410 678 9708	IC 2506224-0004
IC2571	409 695 6817	IC UPC393GR-9LG-E1-A
IC3501	410 707 2502	IC 2506593-0005B
IC3811	410 630 1603	IC ICL3232ECV-16Z-T
IC3821	309 439 8919	IC TC7WH125FU
IC3831	309 439 8919	IC TC7WH125FU
IC4011	310 358 1506	IC TC74HC4053AFT(EL)
IC4021	309 439 8919	IC TC7WH125FU
IC4051	309 400 7118	IC TC7W53FU-(TE12L)
IC4511	309 155 8019	IC TC7S04F-TE85L
IC4721	309 404 7213	IC TC7SET00FU-(TE85L)
IC491	310 616 3402	IC PST413A300NR
IC5081	310 479 4004	IC TC7WBD125AFK
IC5101	409 683 5716	IC NJW1156AV
IC5151	309 487 5727	IC TC7SZ125FU
IC5611	309 531 6229	IC FA7701V-TE1
IC5631	309 675 1316	IC FA7703V-H1
IC5851	309 395 5915	IC TC7SH00FU-(TE85L)
IC5852	309 585 9419	IC TC74VCX32FT
IC6201	309 462 0327	IC 24LC21AT/SN
IC6202	310 517 6809	IC TC74LVX4053FT
IC7811	309 461 7822	IC PQ20WZ11
IC7821	309 461 7822	IC PQ20WZ11
IC7831	309 461 7822	IC PQ20WZ11
IC7841	309 461 7822	IC PQ20WZ11
IC7851	309 461 7822	IC PQ20WZ11
IC7861	309 461 7822	IC PQ20WZ11
IC7881	309 458 3414	IC M62393FP
IC8001	409 698 5510	IC SII9127ACTU
IC8071	309 545 5710	IC XC6202P502M
IC8081	409 699 6615	IC BD7820FP
IC8281	409 699 6615	IC BD7820FP
IC9711	309 487 5727	IC TC7SZ125FU
IC9801	309 487 5727	IC TC7SZ125FU

CAPACITOR

C001	303 400 9110	ELECT	470U M	25V
C002	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C004	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C006	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V

Electrical Parts List

Key No.	Part No.	Description		
	403 478 5912	CERAMIC	1U K	25V
C007	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C008	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C009	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C011	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C012	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C013	303 403 1319	ELECT	22U M	25V
C014	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C016	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C017	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C018	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C019	303 281 2415	CERAMIC	0.22U K	16V
	303 364 5913	CERAMIC	0.22U K	16V
C021	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C022	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C023	303 281 2415	CERAMIC	0.22U K	16V
	303 364 5913	CERAMIC	0.22U K	16V
C024	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C026	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C027	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C028	403 469 6317	CERAMIC	0.47U K	50V
C1401	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1411	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1412	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1416	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1421	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1422	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1423	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1424	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1426	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1427	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1428	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1429	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1431	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1432	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1433	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1434	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1436	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1437	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1438	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1439	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1441	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1442	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
	303 409 3426	CERAMIC	0.1U K	16V
C1451	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1452	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1453	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1454	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1456	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1461	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1462	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1463	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1464	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1466	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1467	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1468	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1469	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1471	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1472	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1481	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1482	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1483	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C1484	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1485	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C1486	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1487	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1488	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1489	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1491	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C1492	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2021	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2022	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2031	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2032	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2041	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2042	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2501	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C2504	303 401 5715	CERAMIC	0.33U K	16V
	304 103 6304	CERAMIC	0.33U K	16V
C2506	303 401 5715	CERAMIC	0.33U K	16V
	304 103 6304	CERAMIC	0.33U K	16V
C2507	303 401 5715	CERAMIC	0.33U K	16V
	304 103 6304	CERAMIC	0.33U K	16V
C2508	303 401 5715	CERAMIC	0.33U K	16V
	304 103 6304	CERAMIC	0.33U K	16V
C2511	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V
C2512	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2513	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2516	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V

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Key No.	Part No.	Description		
C2522	303 383 5215	CERAMIC	4.7U K	6.3V
	303 393 2112	CERAMIC	4.7U K	6.3V
C2526	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V
C2527	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V
C2531	303 392 5015	CERAMIC	22U M	6.3V
	403 455 9216	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2532	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C2533	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C2534	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C2536	303 281 2415	CERAMIC	0.22U K	16V
	303 364 5913	CERAMIC	0.22U K	16V
C2537	303 281 2415	CERAMIC	0.22U K	16V
	303 364 5913	CERAMIC	0.22U K	16V
C2539	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2543	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2571	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2572	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2851	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C2852	303 453 7217	CERAMIC	47P J	50V
	303 454 1610	CERAMIC	47P J	50V
	303 305 8812	CERAMIC	47P J	50V
C3001	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3002	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3011	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3012	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3021	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3022	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3031	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3041	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C3051	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3052	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3061	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3062	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3071	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3072	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3081	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3501	303 391 5511	ELECT	10U M	16V
	303 175 7212	ELECT	10U M	16V
C3502	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3503	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3504	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3505	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3506	303 453 6319	CERAMIC	100P J	50V
	303 454 0910	CERAMIC	100P J	50V
	303 294 6110	CERAMIC	100P J	50V
C3507	303 453 6319	CERAMIC	100P J	50V
	303 454 0910	CERAMIC	100P J	50V
	303 294 6110	CERAMIC	100P J	50V
C3508	303 391 5511	ELECT	10U M	16V
	303 175 7212	ELECT	10U M	16V
C3511	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3512	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V

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Key No.	Part No.	Description		
	304 091 2609	CERAMIC	0.1U K	50V
C3513	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C3514	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C3515	303 401 5616	ELECT	4.7U M	35V
C3516	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3517	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C3518	303 437 4614	CERAMIC	10U K	25V
	403 478 5714	CERAMIC	10U K	25V
C3521	303 401 5616	ELECT	4.7U M	35V
C3522	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C3523	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C3524	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3525	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C3531	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3532	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3533	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3534	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3651	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3811	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3812	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3813	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C3814	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V

Key No.	Part No.	Description		
C3816	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3821	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3831	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3832	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4001	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4002	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4003	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4004	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4006	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C401	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C4011	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4012	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4013	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C402	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C403	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C4031	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C404	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C405	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4051	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4052	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C406	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V

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Key No.	Part No.	Description		
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C407	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C408	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C409	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C411	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C412	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C413	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C414	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C416	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C417	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C418	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C419	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C421	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C422	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C423	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C424	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C426	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C427	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C428	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C429	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C431	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C432	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C433	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C434	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C436	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C437	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C438	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C439	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C441	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C442	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C443	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C444	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C446	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C447	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C448	303 358 3215	CERAMIC	10U K	6.3V

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Key No.	Part No.	Description		
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C4501	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4502	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V
C4503	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4504	303 453 7019	CERAMIC	33P J	50V
	303 453 9617	CERAMIC	33P J	50V
	303 276 3113	CERAMIC	33P J	50V
C4506	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4508	303 453 9716	CERAMIC	0.022U K	25V
	303 442 0410	CERAMIC	0.022U K	25V
C451	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C452	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C453	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C454	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C456	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C457	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C458	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C459	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C461	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C462	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C463	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C464	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4701	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C471	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C472	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C4721	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C473	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C474	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C475	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C476	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C477	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C478	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C479	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C481	403 455 5713	CERAMIC	15P J	50V
	403 455 5218	CERAMIC	15P J	50V
	303 305 8515	CERAMIC	15P J	50V
C482	303 453 8214	CERAMIC	10P J	50V
	303 453 9013	CERAMIC	10P J	50V
	303 279 6210	CERAMIC	10P J	50V
C483	303 453 9815	CERAMIC	0.01U K	25V
	303 369 0527	CERAMIC	0.01U K	25V
C491	303 453 9815	CERAMIC	0.01U K	25V
	303 369 0527	CERAMIC	0.01U K	25V
C492	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C5061	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5062	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5081	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5101	303 396 9613	CERAMIC	1U K	25V

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Key No.	Part No.	Description		
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5102	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5103	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5104	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5106	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5107	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5108	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5109	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5111	303 394 5815	CERAMIC	4.7U K	16V
	303 441 5515	CERAMIC	4.7U K	16V
C5112	303 394 5815	CERAMIC	4.7U K	16V
	303 441 5515	CERAMIC	4.7U K	16V
C5113	303 394 5815	CERAMIC	4.7U K	16V
	303 441 5515	CERAMIC	4.7U K	16V
C5114	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5116	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C5117	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5118	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C5119	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5121	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C5122	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C5141	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5151	303 453 9815	CERAMIC	0.01U K	25V
	303 369 0527	CERAMIC	0.01U K	25V
C5152	303 453 9815	CERAMIC	0.01U K	25V
	303 369 0527	CERAMIC	0.01U K	25V
C5153	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5601	303 437 4614	CERAMIC	10U K	25V
	403 478 5714	CERAMIC	10U K	25V
C5602	303 437 4614	CERAMIC	10U K	25V
	403 478 5714	CERAMIC	10U K	25V
C5603	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5604	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5606	303 398 5415	ELECT	47U M	25V
	303 387 7314	ELECT	47U M	25V
C5611	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5612	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5613	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C5614	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C5615	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5616	303 398 4111	ELECT	47U M	16V
	303 421 8710	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C5617	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5618	303 398 5415	ELECT	47U M	25V
	303 387 7314	ELECT	47U M	25V
C5624	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5631	303 336 3510	CERAMIC	0.47U K	16V
C5632	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C5633	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C5634	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C5636	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C5641	303 398 4111	ELECT	47U M	16V
	303 421 8710	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C5642	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5643	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C5644	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5645	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C5651	303 398 5415	ELECT	47U M	25V
	303 387 7314	ELECT	47U M	25V
C5652TM	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5661	303 398 5415	ELECT	47U M	25V
	303 387 7314	ELECT	47U M	25V
C5811	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5812	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5813	403 455 1012	CERAMIC	1U K	10V

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Key No.	Part No.	Description		
	303 433 1112	CERAMIC	1U K	10V
C5814	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5815	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5816	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5817	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5818	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5819	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5821	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5822	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5823	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5824	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5825	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5826	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5827	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5828	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5829	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5851	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5852	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C6201	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C6202	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7801	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C7802	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C7803	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C7804	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C7805	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C7806	403 455 1616	CERAMIC	10U K	16V
	403 478 5813	CERAMIC	10U K	16V
C7811	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7813	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C7814	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7816	303 398 4111	ELECT	47U M	16V
	303 421 8710	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C7817	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7818	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7821	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7823	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C7824	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7826	303 398 4111	ELECT	47U M	16V
	303 421 8710	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C7828	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7831	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7833	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C7834	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7836	303 398 4111	ELECT	47U M	16V
	303 421 8710	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C7838	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V

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Key No.	Part No.	Description		
	303 409 3426	CERAMIC	0.1U K	16V
C7841	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7843	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C7844	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7846	303 398 4111	ELECT	47U M	16V
	303 421 8710	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C7848	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7851	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7853	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C7854	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7856	303 398 4111	ELECT	47U M	16V
	303 421 8710	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C7858	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7861	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7863	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C7864	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7866	303 398 4111	ELECT	47U M	16V
	303 421 8710	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C7868	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7881	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7883	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7884	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7886	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7887	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7891	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7892	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8001	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8002	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8003	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8004	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8006	303 453 8214	CERAMIC	10P J	50V
	303 453 9013	CERAMIC	10P J	50V
	303 279 6210	CERAMIC	10P J	50V
C8007	303 453 8214	CERAMIC	10P J	50V
	303 453 9013	CERAMIC	10P J	50V
	303 279 6210	CERAMIC	10P J	50V
C8008	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8009	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8011	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8013	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8014	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8016	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8017	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8018	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8019	303 358 3215	CERAMIC	10U K	6.3V

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Key No.	Part No.	Description		
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8022	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8023	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8024	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8026	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8027	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8028	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8029	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8031	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8032	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8033	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8034	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8036	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8037	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8038	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8039	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8041	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8071	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8072	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C8081	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C8082	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8083	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C8084	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8151	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8152	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8153	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8201	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8202	303 453 9815	CERAMIC	0.01U K	25V
	303 369 0527	CERAMIC	0.01U K	25V
C8203	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8204	303 453 9815	CERAMIC	0.01U K	25V
	303 369 0527	CERAMIC	0.01U K	25V
C8206	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8207	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8208	303 453 9815	CERAMIC	0.01U K	25V
	303 369 0527	CERAMIC	0.01U K	25V
C8209	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8211	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8212	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8213	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8214	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8216	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V

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Key No.	Part No.	Description		
	303 409 3426	CERAMIC	0.1U K	16V
C8217	303 454 1917	CERAMIC	4700P K	50V
	303 379 7315	CERAMIC	4700P K	50V
C8218	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8221	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8222	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8223	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8224	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8226	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8227	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8228	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8229	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8231	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8232	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8233	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8234	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8236	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8237	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8238	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8239	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8241	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V
C8242	303 453 9815	CERAMIC	0.01U K	25V
	303 369 0527	CERAMIC	0.01U K	25V
C8243	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8244	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8246	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8247	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8248	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8249	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8251	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8252	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8253	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8254	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8256	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8257	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8258	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8259	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8261	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8262	303 453 8511	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V
	303 276 1317	CERAMIC	1000P K	50V
C8263	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8264	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8281	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C8282	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8301	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
	303 409 3426	CERAMIC	0.1U K	16V
C8302	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8303	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8304	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8306	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8307	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8308	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8309	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8311	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8312	303 453 7019	CERAMIC	33P J	50V
	303 453 9617	CERAMIC	33P J	50V
	303 276 3113	CERAMIC	33P J	50V
C8313	303 453 7019	CERAMIC	33P J	50V
	303 453 9617	CERAMIC	33P J	50V
	303 276 3113	CERAMIC	33P J	50V
C8314	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8316	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8317	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8318	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8341	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8342	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8361	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8371	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8372	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C8821	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8841	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8851	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C9711	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C9801	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V

RESISTOR

R001	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R002	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R003	301 338 8113	MT-GLAZE	1.2K FA	1/16W
R004	301 294 3016	MT-GLAZE	10K FA	1/16W
R008	301 224 9019	MT-GLAZE	10K JA	1/16W
R1001	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1002	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1003	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1004	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1006	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1007	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1008	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1009	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1013	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1016	301 225 1418	MT-GLAZE	47K JA	1/16W
R1017	301 225 1418	MT-GLAZE	47K JA	1/16W
R1401	301 224 9019	MT-GLAZE	10K JA	1/16W
R1402	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1403	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1404	301 224 9019	MT-GLAZE	10K JA	1/16W
R1405	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1407	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1408	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1409	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1411	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1412	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1413	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1418	301 225 8110	MT-GLAZE	10 JA	1/16W
R1419	301 225 8110	MT-GLAZE	10 JA	1/16W
R1421	301 225 1913	MT-GLAZE	68 JA	1/16W
R1422	301 225 1913	MT-GLAZE	68 JA	1/16W
R1423	301 225 1913	MT-GLAZE	68 JA	1/16W
R1424	301 225 1913	MT-GLAZE	68 JA	1/16W
R1426	301 225 1913	MT-GLAZE	68 JA	1/16W
R1427	301 225 1913	MT-GLAZE	68 JA	1/16W
R1428	301 225 1913	MT-GLAZE	68 JA	1/16W
R1429	301 225 1913	MT-GLAZE	68 JA	1/16W
R1431	301 225 1913	MT-GLAZE	68 JA	1/16W
R1432	301 225 1913	MT-GLAZE	68 JA	1/16W
R1433	301 225 1913	MT-GLAZE	68 JA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R1434	301 225 1913	MT-GLAZE	68 JA	1/16W	R2572	301 224 8913	MT-GLAZE	100K JA	1/16W
R1436	301 225 1913	MT-GLAZE	68 JA	1/16W	R2573	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1437	301 225 1913	MT-GLAZE	68 JA	1/16W	R2574	301 224 9019	MT-GLAZE	10K JA	1/16W
R1438	301 225 1913	MT-GLAZE	68 JA	1/16W	R2576	301 224 9019	MT-GLAZE	10K JA	1/16W
R1439	301 225 1913	MT-GLAZE	68 JA	1/16W	R2578	301 225 9018	MT-GLAZE	470K JA	1/16W
R1441	301 225 1913	MT-GLAZE	68 JA	1/16W	R2831	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1442	301 225 1913	MT-GLAZE	68 JA	1/16W	R2832	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1443	301 225 1913	MT-GLAZE	68 JA	1/16W	R2833	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1444	301 225 1913	MT-GLAZE	68 JA	1/16W	R2834	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1446	301 225 1913	MT-GLAZE	68 JA	1/16W	R2836	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1451	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2837	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1452	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2838	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1476	301 224 8814	MT-GLAZE	100 JA	1/16W	R2839	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1477	301 224 8814	MT-GLAZE	100 JA	1/16W	R2851	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1481	301 224 9019	MT-GLAZE	10K JA	1/16W	R2852	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1482	301 224 8913	MT-GLAZE	100K JA	1/16W	R2853	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1483	301 224 9316	MT-GLAZE	1K JA	1/16W	R2854	301 224 9316	MT-GLAZE	1K JA	1/16W
R1491	301 224 9019	MT-GLAZE	10K JA	1/16W	R2856	301 224 9019	MT-GLAZE	10K JA	1/16W
R1492	301 224 9019	MT-GLAZE	10K JA	1/16W	R2857	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1493	301 224 9019	MT-GLAZE	10K JA	1/16W	R2858	301 224 9019	MT-GLAZE	10K JA	1/16W
R1494	301 224 9019	MT-GLAZE	10K JA	1/16W	R2859	301 225 8110	MT-GLAZE	10 JA	1/16W
R1495	301 224 9019	MT-GLAZE	10K JA	1/16W	R2861	301 224 8814	MT-GLAZE	100 JA	1/16W
R1496	301 224 9019	MT-GLAZE	10K JA	1/16W	R3001	301 265 4912	MT-GLAZE	75 FA	1/10W
R1498	301 224 9019	MT-GLAZE	10K JA	1/16W	R3004	301 225 1814	MT-GLAZE	47 JA	1/16W
R1499	301 224 9316	MT-GLAZE	1K JA	1/16W	R3006	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R2021	301 225 8110	MT-GLAZE	10 JA	1/16W	R3007	301 225 8110	MT-GLAZE	10 JA	1/16W
R2022	301 225 1418	MT-GLAZE	47K JA	1/16W	R3011	301 265 4912	MT-GLAZE	75 FA	1/10W
R2023	301 225 0718	MT-GLAZE	56K JA	1/16W	R3014	301 225 1814	MT-GLAZE	47 JA	1/16W
R2024	301 225 1319	MT-GLAZE	470 JA	1/16W	R3016	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R2026	301 224 9316	MT-GLAZE	1K JA	1/16W	R3017	301 225 8110	MT-GLAZE	10 JA	1/16W
R2027	301 224 8814	MT-GLAZE	100 JA	1/16W	R3021	301 265 4912	MT-GLAZE	75 FA	1/10W
R2031	301 225 8110	MT-GLAZE	10 JA	1/16W	R3024	301 225 1814	MT-GLAZE	47 JA	1/16W
R2032	301 225 1418	MT-GLAZE	47K JA	1/16W	R3026	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R2033	301 225 0718	MT-GLAZE	56K JA	1/16W	R3027	301 225 8110	MT-GLAZE	10 JA	1/16W
R2034	301 225 1319	MT-GLAZE	470 JA	1/16W	R3031	301 225 1418	MT-GLAZE	47K JA	1/16W
R2036	301 224 9316	MT-GLAZE	1K JA	1/16W	R3032	301 225 1418	MT-GLAZE	47K JA	1/16W
R2037	301 224 8814	MT-GLAZE	100 JA	1/16W	R3033	301 224 9316	MT-GLAZE	1K JA	1/16W
R2041	301 225 8110	MT-GLAZE	10 JA	1/16W	R3034	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R2042	301 225 1418	MT-GLAZE	47K JA	1/16W	R3036	301 224 9019	MT-GLAZE	10K JA	1/16W
R2043	301 225 0718	MT-GLAZE	56K JA	1/16W	R3037	301 224 9019	MT-GLAZE	10K JA	1/16W
R2044	301 225 1319	MT-GLAZE	470 JA	1/16W	R3038	301 224 9019	MT-GLAZE	10K JA	1/16W
R2046	301 224 9316	MT-GLAZE	1K JA	1/16W	R3041	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2047	301 224 8814	MT-GLAZE	100 JA	1/16W	R3042	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2049	301 224 8814	MT-GLAZE	100 JA	1/16W	R3051	301 265 4912	MT-GLAZE	75 FA	1/10W
R2517	301 304 3616	MT-GLAZE	1K DA	1/16W	R3054	301 225 1814	MT-GLAZE	47 JA	1/16W
R2518	401 345 6215	MT-GLAZE	2K DA	1/16W	R3056	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R2519	301 290 1511	MT-GLAZE	0.1 JE	1/2W	R3057	301 225 8110	MT-GLAZE	10 JA	1/16W
R2522	401 345 6215	MT-GLAZE	2K DA	1/16W	R3058	301 224 9316	MT-GLAZE	1K JA	1/16W
R2523	301 338 6713	MT-GLAZE	1.6K FA	1/16W	R3059	301 302 5414	MT-GLAZE	220 FA	1/16W
R2525	401 345 6215	MT-GLAZE	2K DA	1/16W	R3061	301 265 4912	MT-GLAZE	75 FA	1/10W
R2526	301 338 6713	MT-GLAZE	1.6K FA	1/16W	R3064	301 225 1814	MT-GLAZE	47 JA	1/16W
R2528	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R3066	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R2529	301 294 3016	MT-GLAZE	10K FA	1/16W	R3067	301 225 8110	MT-GLAZE	10 JA	1/16W
R2533	301 294 2712	MT-GLAZE	150 FA	1/16W	R3068	301 224 9316	MT-GLAZE	1K JA	1/16W
R2536	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R3069	301 302 5414	MT-GLAZE	220 FA	1/16W
R2537	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R3071	301 265 4912	MT-GLAZE	75 FA	1/10W
R2538	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R3074	301 225 1814	MT-GLAZE	47 JA	1/16W
R2539	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R3076	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R2553	301 294 2712	MT-GLAZE	150 FA	1/16W	R3077	301 225 8110	MT-GLAZE	10 JA	1/16W
R2554	301 294 2712	MT-GLAZE	150 FA	1/16W	R3078	301 224 9316	MT-GLAZE	1K JA	1/16W
R2556	301 264 0311	MT-GLAZE	1 JA	1/10W	R3079	301 302 5414	MT-GLAZE	220 FA	1/16W
R2557	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R3081	301 225 1418	MT-GLAZE	47K JA	1/16W
R2558	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R3082	301 225 1418	MT-GLAZE	47K JA	1/16W
R2559	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R3083	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R2561	301 264 0311	MT-GLAZE	1 JA	1/10W	R3084	301 224 9316	MT-GLAZE	1K JA	1/16W
R2562	301 150 6014	MT-GLAZE	0.000 ZA	1/10W	R3086	301 224 9316	MT-GLAZE	1K JA	1/16W
R2571	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R3087	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R3088	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R413	301 225 0312	MT-GLAZE	33 JA	1/16W
R3091	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R414	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3092	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R416	301 225 0312	MT-GLAZE	33 JA	1/16W
R3093	301 224 9019	MT-GLAZE	10K JA	1/16W	R417	301 225 0312	MT-GLAZE	33 JA	1/16W
R3094	301 225 1418	MT-GLAZE	47K JA	1/16W	R418	301 225 0312	MT-GLAZE	33 JA	1/16W
R3511	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R419	301 225 0312	MT-GLAZE	33 JA	1/16W
R3512	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R421	301 225 0312	MT-GLAZE	33 JA	1/16W
R3513	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R422	301 225 0312	MT-GLAZE	33 JA	1/16W
R3514	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R423	301 225 0312	MT-GLAZE	33 JA	1/16W
R3516	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R424	301 225 0312	MT-GLAZE	33 JA	1/16W
R3517	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R426	301 224 9316	MT-GLAZE	1K JA	1/16W
R3518	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R427	301 224 9316	MT-GLAZE	1K JA	1/16W
R3519	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R431	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R3521	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R432	301 225 0312	MT-GLAZE	33 JA	1/16W
R3522	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R433	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R3523	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R434	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3651	301 225 1418	MT-GLAZE	47K JA	1/16W	R436	301 224 9316	MT-GLAZE	1K JA	1/16W
R3652	301 259 7823	MT-GLAZE	20K JA	1/16W	R437	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R3653	301 224 9019	MT-GLAZE	10K JA	1/16W	R438	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R3654	301 224 9019	MT-GLAZE	10K JA	1/16W	R439	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R3811	301 225 8110	MT-GLAZE	10 JA	1/16W	R441	301 225 0312	MT-GLAZE	33 JA	1/16W
R3812	301 225 8110	MT-GLAZE	10 JA	1/16W	R442	301 225 0312	MT-GLAZE	33 JA	1/16W
R3821	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R443	301 225 0312	MT-GLAZE	33 JA	1/16W
R3822	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R444	301 224 9316	MT-GLAZE	1K JA	1/16W
R3823	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R445	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3824	301 224 9019	MT-GLAZE	10K JA	1/16W	R446	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R3826	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R447	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R3827	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R448	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3831	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R449	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3832	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4501	301 224 8913	MT-GLAZE	100K JA	1/16W
R3833	301 224 9019	MT-GLAZE	10K JA	1/16W	R4503	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R3834	301 224 9019	MT-GLAZE	10K JA	1/16W	R4504	301 225 8011	MT-GLAZE	330 JA	1/16W
R3836	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4505	301 225 1418	MT-GLAZE	47K JA	1/16W
R4001	301 224 8814	MT-GLAZE	100 JA	1/16W	R4506	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R4002	301 224 8814	MT-GLAZE	100 JA	1/16W	R4507	301 225 8110	MT-GLAZE	10 JA	1/16W
R4003	301 224 8814	MT-GLAZE	100 JA	1/16W	R4508	301 224 9019	MT-GLAZE	10K JA	1/16W
R4004	301 263 7420	MT-GLAZE	75 JA	1/16W	R4509	301 225 8110	MT-GLAZE	10 JA	1/16W
R4006	301 263 7420	MT-GLAZE	75 JA	1/16W	R451	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R4007	301 263 7420	MT-GLAZE	75 JA	1/16W	R4511	301 224 9019	MT-GLAZE	10K JA	1/16W
R401	301 224 9415	MT-GLAZE	1M JA	1/16W	R4512	301 225 8110	MT-GLAZE	10 JA	1/16W
R4011	301 224 9316	MT-GLAZE	1K JA	1/16W	R4513	301 224 9019	MT-GLAZE	10K JA	1/16W
R4012	301 224 9316	MT-GLAZE	1K JA	1/16W	R4514	301 225 8110	MT-GLAZE	10 JA	1/16W
R4013	301 294 2811	MT-GLAZE	2.2K FA	1/16W	R4516	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4014	301 224 9019	MT-GLAZE	10K JA	1/16W	R4517	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4016	301 294 2811	MT-GLAZE	2.2K FA	1/16W	R452	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R4017	301 225 1418	MT-GLAZE	47K JA	1/16W	R4521	301 225 8110	MT-GLAZE	10 JA	1/16W
R402	301 225 3818	MT-GLAZE	1.5K JA	1/16W	R4522	301 224 8814	MT-GLAZE	100 JA	1/16W
R4021	301 224 8814	MT-GLAZE	100 JA	1/16W	R4523	301 224 8814	MT-GLAZE	100 JA	1/16W
R4022	301 224 8814	MT-GLAZE	100 JA	1/16W	R4527	301 224 9019	MT-GLAZE	10K JA	1/16W
R4023	301 224 9019	MT-GLAZE	10K JA	1/16W	R4528	301 224 9712	MT-GLAZE	22 JA	1/16W
R4024	301 225 1418	MT-GLAZE	47K JA	1/16W	R4529	301 224 9019	MT-GLAZE	10K JA	1/16W
R403	301 264 4616	MT-GLAZE	180 FA	1/10W	R453	301 225 1913	MT-GLAZE	68 JA	1/16W
R404	301 264 4616	MT-GLAZE	180 FA	1/10W	R4531	301 224 9712	MT-GLAZE	22 JA	1/16W
R4051	301 225 1814	MT-GLAZE	47 JA	1/16W	R4532	301 224 9019	MT-GLAZE	10K JA	1/16W
R4052	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R4533	301 224 9712	MT-GLAZE	22 JA	1/16W
R4053	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R4534	301 224 9019	MT-GLAZE	10K JA	1/16W
R4054	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R454	301 225 1913	MT-GLAZE	68 JA	1/16W
R4055	301 225 1319	MT-GLAZE	470 JA	1/16W	R4541	301 255 7312	MT-GLAZE	510K JA	1/10W
R4056	301 224 9019	MT-GLAZE	10K JA	1/16W	R4542	301 224 9019	MT-GLAZE	10K JA	1/16W
R4057	301 225 8011	MT-GLAZE	330 JA	1/16W	R4543	301 224 9019	MT-GLAZE	10K JA	1/16W
R4058	301 224 9019	MT-GLAZE	10K JA	1/16W	R4544	301 224 8913	MT-GLAZE	100K JA	1/16W
R4059	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R455	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R406	301 224 9316	MT-GLAZE	1K JA	1/16W	R456	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R407	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R457	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R408	301 225 0312	MT-GLAZE	33 JA	1/16W	R458	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R411	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R459	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R412	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R461	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R465	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5142	301 224 9316	MT-GLAZE	1K JA	1/16W
R466	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5143	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R467	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5144	301 224 9316	MT-GLAZE	1K JA	1/16W
R468	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5146	301 224 9316	MT-GLAZE	1K JA	1/16W
R469	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5147	301 224 8913	MT-GLAZE	100K JA	1/16W
R4701	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R5151	301 224 9019	MT-GLAZE	10K JA	1/16W
R4702	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5152	301 299 4810	MT-GLAZE	2.7K FA	1/16W
R4703	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R5153	301 224 9316	MT-GLAZE	1K JA	1/16W
R4707	301 224 8814	MT-GLAZE	100 JA	1/16W	R5154	301 224 9019	MT-GLAZE	10K JA	1/16W
R4708	301 224 8814	MT-GLAZE	100 JA	1/16W	R5157	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4709	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5158	301 224 9316	MT-GLAZE	1K JA	1/16W
R471	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5601	301 225 8110	MT-GLAZE	10 JA	1/16W
R4713	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5602	301 224 9019	MT-GLAZE	10K JA	1/16W
R4714	301 294 2811	MT-GLAZE	2.2K FA	1/16W	R5603	301 225 8110	MT-GLAZE	10 JA	1/16W
R4716	301 224 9514	MT-GLAZE	2.2K JA	1/16W	R5604	301 224 9019	MT-GLAZE	10K JA	1/16W
R4718	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5611	301 224 9415	MT-GLAZE	1M JA	1/16W
R4719	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R5612	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R472	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5613	301 224 9019	MT-GLAZE	10K JA	1/16W
R4721	301 225 8110	MT-GLAZE	10 JA	1/16W	R5614	301 259 7823	MT-GLAZE	20K JA	1/16W
R4723	301 225 8110	MT-GLAZE	10 JA	1/16W	R5616	301 304 3616	MT-GLAZE	1K DA	1/16W
R4724	301 224 8814	MT-GLAZE	100 JA	1/16W	R5617	301 299 4810	MT-GLAZE	2.7K FA	1/16W
R475	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5621	301 224 8913	MT-GLAZE	100K JA	1/16W
R477	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5622	301 224 8913	MT-GLAZE	100K JA	1/16W
R478	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5623	301 224 8913	MT-GLAZE	100K JA	1/16W
R479	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5624	301 224 9415	MT-GLAZE	1M JA	1/16W
R493	301 225 8110	MT-GLAZE	10 JA	1/16W	R5630	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R494	301 225 8110	MT-GLAZE	10 JA	1/16W	R5631	301 224 9019	MT-GLAZE	10K JA	1/16W
R496	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5632	301 224 9415	MT-GLAZE	1M JA	1/16W
R497	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R5633	301 259 7823	MT-GLAZE	20K JA	1/16W
R498	301 224 9019	MT-GLAZE	10K JA	1/16W	R5634	301 224 9019	MT-GLAZE	10K JA	1/16W
R5051	301 224 8814	MT-GLAZE	100 JA	1/16W	R5635	301 224 9019	MT-GLAZE	10K JA	1/16W
R5052	301 224 8814	MT-GLAZE	100 JA	1/16W	R5636	301 224 9019	MT-GLAZE	10K JA	1/16W
R5053	301 224 8814	MT-GLAZE	100 JA	1/16W	R5637	401 345 6215	MT-GLAZE	2K DA	1/16W
R5054	301 224 8814	MT-GLAZE	100 JA	1/16W	R5638	301 287 2227	MT-GLAZE	22K FA	1/16W
R5056	301 224 8814	MT-GLAZE	100 JA	1/16W	R5639	301 259 7823	MT-GLAZE	20K JA	1/16W
R5057	301 224 8814	MT-GLAZE	100 JA	1/16W	R5641	401 345 6215	MT-GLAZE	2K DA	1/16W
R5058	301 224 8814	MT-GLAZE	100 JA	1/16W	R5642	301 287 2227	MT-GLAZE	22K FA	1/16W
R5059	301 224 8814	MT-GLAZE	100 JA	1/16W	R5643	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5061	301 224 8913	MT-GLAZE	100K JA	1/16W	R5644	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5062	301 224 8913	MT-GLAZE	100K JA	1/16W	R5651	301 224 9019	MT-GLAZE	10K JA	1/16W
R5063	301 224 9415	MT-GLAZE	1M JA	1/16W	R5652	301 230 8013	MT-GLAZE	1K JA	1/3W
R5064	301 287 2227	MT-GLAZE	22K FA	1/16W	R5653	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R5081	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R5654	301 224 9019	MT-GLAZE	10K JA	1/16W
R5082	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R5661	301 224 9019	MT-GLAZE	10K JA	1/16W
R5093	301 299 5312	MT-GLAZE	12K FA	1/16W	R5662	301 225 1715	MT-GLAZE	39K JA	1/16W
R5094	301 338 8113	MT-GLAZE	1.2K FA	1/16W	R5663	301 224 9019	MT-GLAZE	10K JA	1/16W
R5096	301 224 9019	MT-GLAZE	10K JA	1/16W	R5664	301 224 9019	MT-GLAZE	10K JA	1/16W
R5101	301 225 8110	MT-GLAZE	10 JA	1/16W	R5803	301 224 9019	MT-GLAZE	10K JA	1/16W
R5102	301 225 8110	MT-GLAZE	10 JA	1/16W	R5811	645 100 9340	IMPEDANCE,120 OHM P		
R5103	301 150 6014	MT-GLAZE	0.000 ZA	1/10W		645 093 1048	IMPEDANCE,120 OHM P		
R5104	301 224 9316	MT-GLAZE	1K JA	1/16W	R5812	645 100 9340	IMPEDANCE,120 OHM P		
R5106	301 224 8814	MT-GLAZE	100 JA	1/16W		645 093 1048	IMPEDANCE,120 OHM P		
R5107	301 224 9316	MT-GLAZE	1K JA	1/16W	R5813	645 100 9340	IMPEDANCE,120 OHM P		
R5108	301 224 8814	MT-GLAZE	100 JA	1/16W		645 093 1048	IMPEDANCE,120 OHM P		
R5111	301 224 9019	MT-GLAZE	10K JA	1/16W	R5814	645 100 9340	IMPEDANCE,120 OHM P		
R5112	301 224 9019	MT-GLAZE	10K JA	1/16W		645 093 1048	IMPEDANCE,120 OHM P		
R5113	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R5815	645 100 9340	IMPEDANCE,120 OHM P		
R5114	301 224 9019	MT-GLAZE	10K JA	1/16W		645 093 1048	IMPEDANCE,120 OHM P		
R5121	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R5816	645 100 9340	IMPEDANCE,120 OHM P		
R5123	301 224 9316	MT-GLAZE	1K JA	1/16W		645 093 1048	IMPEDANCE,120 OHM P		
R5124	301 265 1614	MT-GLAZE	470 FA	1/10W	R5817	645 100 9340	IMPEDANCE,120 OHM P		
R5126	301 225 0213	MT-GLAZE	3.3K JA	1/16W		645 093 1048	IMPEDANCE,120 OHM P		
R5128	301 224 9316	MT-GLAZE	1K JA	1/16W	R5818	645 100 9340	IMPEDANCE,120 OHM P		
R5129	301 265 1614	MT-GLAZE	470 FA	1/10W		645 093 1048	IMPEDANCE,120 OHM P		
R5131	301 294 3016	MT-GLAZE	10K FA	1/16W	R5819	645 100 9340	IMPEDANCE,120 OHM P		
R5132	301 294 3016	MT-GLAZE	10K FA	1/16W		645 093 1048	IMPEDANCE,120 OHM P		
R5141	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R5821	301 224 9316	MT-GLAZE	1K JA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R5822	301 224 9316	MT-GLAZE	1K	JA 1/16W	R7852	301 284 3613	MT-GLAZE	16K	JA 1/16W
R5823	301 224 9316	MT-GLAZE	1K	JA 1/16W	R7853	301 225 0510	MT-GLAZE	33K	JA 1/16W
R5824	301 224 9316	MT-GLAZE	1K	JA 1/16W	R7854	301 224 9316	MT-GLAZE	1K	JA 1/16W
R5825	301 224 9316	MT-GLAZE	1K	JA 1/16W	R7856	301 224 9316	MT-GLAZE	1K	JA 1/16W
R5826	301 224 9316	MT-GLAZE	1K	JA 1/16W	R7857	301 261 1014	MT-GLAZE	2.4K	JA 1/16W
R5827	301 224 9316	MT-GLAZE	1K	JA 1/16W	R7858	301 336 8818	MT-GLAZE	6.8K	FA 1/16W
R5829	301 224 9316	MT-GLAZE	1K	JA 1/16W	R7859	301 294 2811	MT-GLAZE	2.2K	FA 1/16W
R5831	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7861	301 224 9514	MT-GLAZE	2.2K	JA 1/16W
R5851	301 226 1516	MT-GLAZE	0.000	ZA 1/16W	R7862	301 284 3613	MT-GLAZE	16K	JA 1/16W
R5852	301 226 1516	MT-GLAZE	0.000	ZA 1/16W	R7863	301 225 0510	MT-GLAZE	33K	JA 1/16W
R5853	301 226 1516	MT-GLAZE	0.000	ZA 1/16W	R7864	301 224 9316	MT-GLAZE	1K	JA 1/16W
R5854	301 226 1516	MT-GLAZE	0.000	ZA 1/16W	R7866	301 224 9316	MT-GLAZE	1K	JA 1/16W
R5856	301 226 1516	MT-GLAZE	0.000	ZA 1/16W	R7867	301 261 1014	MT-GLAZE	2.4K	JA 1/16W
R5857	301 226 1516	MT-GLAZE	0.000	ZA 1/16W	R7868	301 336 8818	MT-GLAZE	6.8K	FA 1/16W
R5858	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7869	301 294 2811	MT-GLAZE	2.2K	FA 1/16W
R6201	301 225 1210	MT-GLAZE	4.7K	JA 1/16W	R7871	301 225 1210	MT-GLAZE	4.7K	JA 1/16W
R6202	301 225 1210	MT-GLAZE	4.7K	JA 1/16W	R7872	301 225 1210	MT-GLAZE	4.7K	JA 1/16W
R6203	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7873	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R6204	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7874	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R6206	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7881	301 225 8110	MT-GLAZE	10	JA 1/16W
R6221	301 225 1210	MT-GLAZE	4.7K	JA 1/16W	R7882	301 225 8110	MT-GLAZE	10	JA 1/16W
R6222	301 225 1210	MT-GLAZE	4.7K	JA 1/16W	R7883	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R6223	301 226 1516	MT-GLAZE	0.000	ZA 1/16W	R7884	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R6224	301 226 1516	MT-GLAZE	0.000	ZA 1/16W	R7886	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R7801	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7887	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R7802	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7888	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R7803	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7889	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R7804	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7892	301 224 9019	MT-GLAZE	10K	JA 1/16W
R7805	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7894	301 224 9019	MT-GLAZE	10K	JA 1/16W
R7806	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7896	301 224 9019	MT-GLAZE	10K	JA 1/16W
R7807	301 224 9316	MT-GLAZE	1K	JA 1/16W	R7897	301 225 0619	MT-GLAZE	5.6K	JA 1/16W
R7808	301 224 9316	MT-GLAZE	1K	JA 1/16W	R7898	301 225 0619	MT-GLAZE	5.6K	JA 1/16W
R7809	301 224 9019	MT-GLAZE	10K	JA 1/16W	R7899	301 225 3818	MT-GLAZE	1.5K	JA 1/16W
R7811	301 224 9514	MT-GLAZE	2.2K	JA 1/16W	R8001	301 264 5316	MT-GLAZE	2.2	JA 1/10W
R7812	301 284 3613	MT-GLAZE	16K	JA 1/16W	R8002	301 264 5316	MT-GLAZE	2.2	JA 1/10W
R7813	301 225 0510	MT-GLAZE	33K	JA 1/16W	R8003	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R7814	301 224 9316	MT-GLAZE	1K	JA 1/16W	R8004	301 224 9415	MT-GLAZE	1M	JA 1/16W
R7815	301 224 9019	MT-GLAZE	10K	JA 1/16W	R8011	301 225 1210	MT-GLAZE	4.7K	JA 1/16W
R7816	301 224 9316	MT-GLAZE	1K	JA 1/16W	R8012	301 225 1210	MT-GLAZE	4.7K	JA 1/16W
R7817	301 261 1014	MT-GLAZE	2.4K	JA 1/16W	R8013	301 225 0312	MT-GLAZE	33	JA 1/16W
R7818	301 336 8818	MT-GLAZE	6.8K	FA 1/16W	R8014	301 225 0312	MT-GLAZE	33	JA 1/16W
R7819	301 294 2811	MT-GLAZE	2.2K	FA 1/16W	R8018	301 225 1210	MT-GLAZE	4.7K	JA 1/16W
R7821	301 224 9514	MT-GLAZE	2.2K	JA 1/16W	R8019	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R7822	301 284 3613	MT-GLAZE	16K	JA 1/16W	R8022	301 225 8110	MT-GLAZE	10	JA 1/16W
R7823	301 225 0510	MT-GLAZE	33K	JA 1/16W	R8023	301 225 8110	MT-GLAZE	10	JA 1/16W
R7824	301 224 9316	MT-GLAZE	1K	JA 1/16W	R8025	301 225 1210	MT-GLAZE	4.7K	JA 1/16W
R7826	301 224 9316	MT-GLAZE	1K	JA 1/16W	R8026	301 225 1210	MT-GLAZE	4.7K	JA 1/16W
R7827	301 261 1014	MT-GLAZE	2.4K	JA 1/16W	R8027	301 226 1516	MT-GLAZE	0.000	ZA 1/16W
R7828	301 336 8818	MT-GLAZE	6.8K	FA 1/16W	R8029	301 264 5316	MT-GLAZE	2.2	JA 1/10W
R7829	301 294 2811	MT-GLAZE	2.2K	FA 1/16W	R8035	301 225 0312	MT-GLAZE	33	JA 1/16W
R7831	301 224 9514	MT-GLAZE	2.2K	JA 1/16W	R8037	301 225 0312	MT-GLAZE	33	JA 1/16W
R7832	301 284 3613	MT-GLAZE	16K	JA 1/16W	R8038	301 225 0312	MT-GLAZE	33	JA 1/16W
R7833	301 225 0510	MT-GLAZE	33K	JA 1/16W	R8039	301 225 0312	MT-GLAZE	33	JA 1/16W
R7834	301 224 9316	MT-GLAZE	1K	JA 1/16W	R8041	301 225 0312	MT-GLAZE	33	JA 1/16W
R7836	301 224 9316	MT-GLAZE	1K	JA 1/16W	R8042	301 225 0312	MT-GLAZE	33	JA 1/16W
R7837	301 261 1014	MT-GLAZE	2.4K	JA 1/16W	R8043	301 225 0312	MT-GLAZE	33	JA 1/16W
R7838	301 336 8818	MT-GLAZE	6.8K	FA 1/16W	R8044	301 225 0312	MT-GLAZE	33	JA 1/16W
R7839	301 294 2811	MT-GLAZE	2.2K	FA 1/16W	R8046	301 225 0312	MT-GLAZE	33	JA 1/16W
R7841	301 224 9514	MT-GLAZE	2.2K	JA 1/16W	R8047	301 225 0312	MT-GLAZE	33	JA 1/16W
R7842	301 284 3613	MT-GLAZE	16K	JA 1/16W	R8048	301 225 0312	MT-GLAZE	33	JA 1/16W
R7843	301 225 0510	MT-GLAZE	33K	JA 1/16W	R8081	301 150 6014	MT-GLAZE	0.000	ZA 1/10W
R7844	301 224 9316	MT-GLAZE	1K	JA 1/16W	R8082	301 224 9019	MT-GLAZE	10K	JA 1/16W
R7846	301 224 9316	MT-GLAZE	1K	JA 1/16W	R8083	301 298 5511	MT-GLAZE	8.2K	FA 1/16W
R7847	301 261 1014	MT-GLAZE	2.4K	JA 1/16W	R8084	301 298 5818	MT-GLAZE	9.1K	FA 1/16W
R7848	301 336 8818	MT-GLAZE	6.8K	FA 1/16W	R8086	301 294 3511	MT-GLAZE	27K	FA 1/16W
R7849	301 294 2811	MT-GLAZE	2.2K	FA 1/16W	R8087	301 150 6014	MT-GLAZE	0.000	ZA 1/10W
R7851	301 224 9514	MT-GLAZE	2.2K	JA 1/16W	R8097	301 225 1210	MT-GLAZE	4.7K	JA 1/16W

Electrical Parts List

Key No.	Part No.	Description		
R8098	301 224 9019	MT-GLAZE	10K JA	1/16W
R8099	301 224 9019	MT-GLAZE	10K JA	1/16W
R8151	301 224 9712	MT-GLAZE	22 JA	1/16W
R8152	301 224 8913	MT-GLAZE	100K JA	1/16W
R8153	301 224 9712	MT-GLAZE	22 JA	1/16W
R8154	301 224 8913	MT-GLAZE	100K JA	1/16W
R8156	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8158	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8159	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8201	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8202	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8203	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8204	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8205	301 264 0311	MT-GLAZE	1 JA	1/10W
R8206	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8207	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8208	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8209	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R8211	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8212	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8213	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8214	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8216	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8217	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8218	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8219	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8221	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8222	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8223	301 225 0312	MT-GLAZE	33 JA	1/16W
R8224	301 225 0312	MT-GLAZE	33 JA	1/16W
R8226	301 225 0312	MT-GLAZE	33 JA	1/16W
R8227	301 225 0312	MT-GLAZE	33 JA	1/16W
R8228	301 225 0312	MT-GLAZE	33 JA	1/16W
R8229	301 225 0312	MT-GLAZE	33 JA	1/16W
R8232	301 224 9019	MT-GLAZE	10K JA	1/16W
R8281	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8282	301 224 9019	MT-GLAZE	10K JA	1/16W
R8283	301 294 3511	MT-GLAZE	27K FA	1/16W
R8284	301 299 5312	MT-GLAZE	12K FA	1/16W
R8285	301 299 4810	MT-GLAZE	2.7K FA	1/16W
R8286	301 294 3511	MT-GLAZE	27K FA	1/16W
R8287	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8291	301 299 5312	MT-GLAZE	12K FA	1/16W
R8292	301 294 3016	MT-GLAZE	10K FA	1/16W
R8293	301 224 9019	MT-GLAZE	10K JA	1/16W
R8301	301 224 9019	MT-GLAZE	10K JA	1/16W
R8302	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8303	301 224 9316	MT-GLAZE	1K JA	1/16W
R8304	301 224 9019	MT-GLAZE	10K JA	1/16W
R8308	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8309	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8311	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8312	301 224 9316	MT-GLAZE	1K JA	1/16W
R8314	301 224 9019	MT-GLAZE	10K JA	1/16W
R8316	301 224 9019	MT-GLAZE	10K JA	1/16W
R8317	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8318	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8319	301 224 8913	MT-GLAZE	100K JA	1/16W
R8321	301 224 9415	MT-GLAZE	1M JA	1/16W
R8322	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8323	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8324	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R8341	301 302 5414	MT-GLAZE	220 FA	1/16W
R8342	301 302 5414	MT-GLAZE	220 FA	1/16W
R8343	301 341 0616	MT-GLAZE	49.9 FA	1/16W
R8344	301 341 0616	MT-GLAZE	49.9 FA	1/16W
R8346	645 100 9340	IMPEDANCE,120 OHM P		
	645 093 1048	IMPEDANCE,120 OHM P		
R8347	645 100 9340	IMPEDANCE,120 OHM P		
	645 093 1048	IMPEDANCE,120 OHM P		
R8348	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8349	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8351	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8352	301 341 0616	MT-GLAZE	49.9 FA	1/16W
R8353	301 341 0616	MT-GLAZE	49.9 FA	1/16W
R8354	301 224 9712	MT-GLAZE	22 JA	1/16W
R8361	301 224 8814	MT-GLAZE	100 JA	1/16W
R8362	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8363	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8371	301 224 9019	MT-GLAZE	10K JA	1/16W
R8372	301 224 9316	MT-GLAZE	1K JA	1/16W
R8373	301 224 9019	MT-GLAZE	10K JA	1/16W
R8374	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8821	301 225 8110	MT-GLAZE	10 JA	1/16W
R8822	301 225 8110	MT-GLAZE	10 JA	1/16W
R8823	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8826	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8828	301 224 9019	MT-GLAZE	10K JA	1/16W
R8841	301 225 8110	MT-GLAZE	10 JA	1/16W
R8842	301 225 8110	MT-GLAZE	10 JA	1/16W
R8851	301 225 8110	MT-GLAZE	10 JA	1/16W
R8852	301 225 8110	MT-GLAZE	10 JA	1/16W
R8853	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9711	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9712	301 265 4912	MT-GLAZE	75 FA	1/10W
R9801	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9802	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9803	301 294 3511	MT-GLAZE	27K FA	1/16W
R9804	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R9806	301 225 0213	MT-GLAZE	3.3K JA	1/16W
RB403	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB404	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB406	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB4501	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8001	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8002	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8003	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8004	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8005	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8006	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8007	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8201	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8202	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8203	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8204	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8206	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		
RB8207	645 049 0675	R-NETWORK 33X4 1/32W		
	945 049 0690	R-NETWORK 33X4 1/16W		

Electrical Parts List

Key No.	Part No.	Description
COIL		
L001	945 041 1978	INDUCTOR,330 OHM
L002	945 038 4579	INDUCTOR,33U M
	945 075 1012	INDUCTOR,33U M
L003	945 038 4579	INDUCTOR,33U M
	945 075 1012	INDUCTOR,33U M
L1001	945 070 3660	INDUCTOR,90 OHM
L1002	945 070 3660	INDUCTOR,90 OHM
L1003	945 070 3660	INDUCTOR,90 OHM
L1004	945 070 3660	INDUCTOR,90 OHM
L1421	645 053 5482	IMPEDANCE,68 OHM P
L1481	645 053 5482	IMPEDANCE,68 OHM P
L1482	645 053 5482	IMPEDANCE,68 OHM P
L1483	645 053 5482	IMPEDANCE,68 OHM P
L1484	645 053 5482	IMPEDANCE,68 OHM P
L2511	645 099 4920	INDUCTOR,10U M
L2512	645 099 4920	INDUCTOR,10U M
L2516	645 099 4937	INDUCTOR,15U M
L2518	645 099 4951	INDUCTOR,3.8U N
L2531	645 099 4944	INDUCTOR,33U M
L2541	945 041 1954	INDUCTOR,100 OHM
L2542	945 041 1954	INDUCTOR,100 OHM
L2543	945 041 1954	INDUCTOR,100 OHM
L2544	945 041 1954	INDUCTOR,100 OHM
L2546	945 041 1954	INDUCTOR,100 OHM
L2822	645 092 3616	IMPEDANCE,22 OHM P
L3001	945 086 7577	FILTER,EMI 400MHZ
L3011	945 086 7577	FILTER,EMI 400MHZ
L3021	945 086 7577	FILTER,EMI 400MHZ
L3031	945 086 7560	FILTER,EMI 200MHZ
L3032	945 086 7560	FILTER,EMI 200MHZ
L3041	945 086 6037	IMPEDANCE,330 OHM P
L3051	945 086 7577	FILTER,EMI 400MHZ
L3061	945 086 7577	FILTER,EMI 400MHZ
L3071	945 086 7577	FILTER,EMI 400MHZ
L3081	945 086 7560	FILTER,EMI 200MHZ
L3082	945 086 7560	FILTER,EMI 200MHZ
L3501	945 086 5368	IMPEDANCE,220 OHM P
L3506	945 086 5368	IMPEDANCE,220 OHM P
L3514	645 099 4913	INDUCTOR,22U M
L3517	645 099 4913	INDUCTOR,22U M
L3531	945 086 5368	IMPEDANCE,220 OHM P
L3532	645 053 5482	IMPEDANCE,68 OHM P
L4711	645 092 3616	IMPEDANCE,22 OHM P
L4714	645 092 3616	IMPEDANCE,22 OHM P
L4716	645 092 3616	IMPEDANCE,22 OHM P
L5101	945 041 1978	INDUCTOR,330 OHM
L5601	645 053 5482	IMPEDANCE,68 OHM P
L5602	645 053 5482	IMPEDANCE,68 OHM P
L5611	945 033 7995	INDUCTOR,100U M
L5613	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
L5641	645 099 4920	INDUCTOR,10U M
L5642	945 033 7995	INDUCTOR,100U M
L7811	945 041 1978	INDUCTOR,330 OHM
L7882	945 086 6037	IMPEDANCE,330 OHM P
L8001	945 086 6037	IMPEDANCE,330 OHM P
L8002	945 086 6037	IMPEDANCE,330 OHM P
L8003	945 086 6037	IMPEDANCE,330 OHM P
L8006	945 086 6037	IMPEDANCE,330 OHM P
L8007	945 086 6037	IMPEDANCE,330 OHM P
L8008	945 086 6037	IMPEDANCE,330 OHM P
L8081	945 041 1954	INDUCTOR,100 OHM
L8201	945 086 5368	IMPEDANCE,220 OHM P
L8202	945 086 5368	IMPEDANCE,220 OHM P
L8204	945 086 5368	IMPEDANCE,220 OHM P
L8341	945 086 7461	FILTER,EMI 100MHZ
L8371	945 041 1954	INDUCTOR,100 OHM
L9801	945 086 6037	IMPEDANCE,330 OHM P
DIODE		
D2511	307 250 0716	DIODE RB060M-30-TR
D2512	307 250 0716	DIODE RB060M-30-TR
D2513	307 250 0716	DIODE RB060M-30-TR
D2514	307 250 0716	DIODE RB060M-30-TR
D2519	307 201 2724	DIODE RB051L-40-TE25
D2531	307 250 0716	DIODE RB060M-30-TR
D2541	307 205 5216	DIODE RB521S-30-TE61
D2542	307 205 5216	DIODE RB521S-30-TE61
D2543	307 205 5216	DIODE RB521S-30-TE61
D2544	307 205 5216	DIODE RB521S-30-TE61
D2546	307 205 5216	DIODE RB521S-30-TE61
D2547	307 205 5216	DIODE RB521S-30-TE61
D2548	307 205 5216	DIODE RB521S-30-TE61
D2549	307 205 5216	DIODE RB521S-30-TE61
D2831	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D2832	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D2833	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D2834	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D2836	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D2837	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D2838	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D2839	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D2851	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
	307 209 1214	ZD UDZS-TE-176.2B
	408 063 7507	ZENER DIODE MM3Z6V2B
D3041	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
	307 221 7119	ZENER DIODE UDZS-TE-1712B
	408 063 1802	ZENER DIODE MM3Z12B
D3042	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
	307 221 7119	ZENER DIODE UDZS-TE-1712B
	408 063 1802	ZENER DIODE MM3Z12B
D3043	307 205 5216	DIODE RB521S-30-TE61
D3044	307 205 5216	DIODE RB521S-30-TE61
D3046	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
	307 209 1214	ZD UDZS-TE-176.2B
	408 063 7507	ZENER DIODE MM3Z6V2B
D3508	407 266 1414	ZENER DIODE TDZTR10
D3514	407 251 2825	DIODE CMS14-TE12L
D3517	407 251 2825	DIODE CMS14-TE12L
D3651	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D4701	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
	307 209 1214	ZD UDZS-TE-176.2B
	408 063 7507	ZENER DIODE MM3Z6V2B
D5061	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35

Electrical Parts List

Key No.	Part No.	Description
D5611	307 201 2724	DIODE RB051L-40-TE25
D5621	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
	307 221 7119	ZENER DIODE UDZS-TE-1712B
	408 063 1802	ZENER DIODE MM3Z12B
D5641	307 201 2724	DIODE RB051L-40-TE25
D5642	307 201 2724	DIODE RB051L-40-TE25
D5801	307 205 5216	DIODE RB521S-30-TE61
D7811	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D7812	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D7821	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D7831	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D7841	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D7851	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D7861	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
D7891	307 163 0414	DIODE 1SS352-(TPH3)
	307 149 0810	DIODE 1SS355-TE-17
	408 062 7201	DIODE 1SS35
MISCELLANEOUS		
FB5601	945 041 1954	INDUCTOR,100 OHM
FB5602	945 041 1954	INDUCTOR,100 OHM
FB5603	945 041 1954	INDUCTOR,100 OHM
FB5604	945 041 1954	INDUCTOR,100 OHM
TPG01	652 003 3320	TERMINAL,EARTH
TPG02	652 003 3320	TERMINAL,EARTH
TPG03	652 003 3320	TERMINAL,EARTH
TPG04	652 003 3320	TERMINAL,EARTH
TPG05	652 003 3320	TERMINAL,EARTH
TPG06	652 003 3320	TERMINAL,EARTH
TPG07	652 003 3320	TERMINAL,EARTH
TPG08	652 003 3320	TERMINAL,EARTH
K10A	645 095 3637	SOCKET,IF(HDMI) 19P
	652 003 2194	SOCKET,HDMI 19P
K30A	645 089 7696	SOCKET,D-SUB 15P
	952 001 8601	SOCKET,D-SUB 15P
K30B	645 089 7702	SOCKET,D-SUB 15P
	952 001 8571	SOCKET,D-SUB 15P
K38C	645 095 2647	SOCKET,USB 4P
K83A	645 093 6760	TRANS,PULSE
	652 003 2743	TRANS,PULSE
SC1001	945 076 3503	SURGE-ABSORBER
SC1002	945 076 3503	SURGE-ABSORBER
SC3031	945 076 3503	SURGE-ABSORBER
SC3032	945 076 3503	SURGE-ABSORBER
SC3081	945 076 3503	SURGE-ABSORBER
SC3082	945 076 3503	SURGE-ABSORBER
SW491	945 026 2792	SWITCH,PUSH 1P-1TX1
	952 001 8830	SWITCH,PUSH 1P-1TX1
X401	645 102 7696	OSC,CRYSTAL 32MHZ
X4501	945 060 9900	OSC,CERAMIC 8.00MHZ
X8001	945 088 7179	OSC,CRYSTAL 27.0MHZ
X8301	945 083 7556	OSC,CRYSTAL 25.0MHZ

Key No.	Part No.	Description		
A1001	**610 350 0072**	**ASSY,PWB,AV KG8AC**		
CAPACITOR				
C2001	303 453 6913	CERAMIC	330P J	50V
	303 305 4715	CERAMIC	330P J	50V
C2002	303 157 6813	CERAMIC	680P K	50V
	304 091 4900	CERAMIC	680P K	50V
C2003	303 453 6913	CERAMIC	330P J	50V
	303 305 4715	CERAMIC	330P J	50V
C2004	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C5021	303 453 6319	CERAMIC	100P J	50V
	303 454 0910	CERAMIC	100P J	50V
	303 294 6110	CERAMIC	100P J	50V
C5022	303 453 6319	CERAMIC	100P J	50V
	303 454 0910	CERAMIC	100P J	50V
	303 294 6110	CERAMIC	100P J	50V
C9701	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C9702	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C9703	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
RESISTOR				
R2001	301 294 2712	MT-GLAZE	150 FA	1/16W
R2002	301 294 2712	MT-GLAZE	150 FA	1/16W
R2003	301 225 8110	MT-GLAZE	10 JA	1/16W
R2004	301 294 2712	MT-GLAZE	150 FA	1/16W
R2006	301 294 2712	MT-GLAZE	150 FA	1/16W
R2007	301 225 8110	MT-GLAZE	10 JA	1/16W
R2008	301 294 2712	MT-GLAZE	150 FA	1/16W
R2009	301 294 2712	MT-GLAZE	150 FA	1/16W
R2011	301 225 8110	MT-GLAZE	10 JA	1/16W
R2012	301 224 8814	MT-GLAZE	100 JA	1/16W
R3801	301 225 8110	MT-GLAZE	10 JA	1/16W
R3802	301 225 8110	MT-GLAZE	10 JA	1/16W
R5001	301 225 1418	MT-GLAZE	47K JA	1/16W
R5002	301 225 1418	MT-GLAZE	47K JA	1/16W
R5011	301 225 1418	MT-GLAZE	47K JA	1/16W
R5012	301 225 1418	MT-GLAZE	47K JA	1/16W
R5013	301 225 1418	MT-GLAZE	47K JA	1/16W
R5014	301 225 1418	MT-GLAZE	47K JA	1/16W
R5021	301 224 8913	MT-GLAZE	100K JA	1/16W
R5022	301 224 8913	MT-GLAZE	100K JA	1/16W
R5023	301 224 8814	MT-GLAZE	100 JA	1/16W
R5024	301 224 8814	MT-GLAZE	100 JA	1/16W
R5026	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9701	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9703	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
COIL				
L2001	945 086 7461	FILTER,EMI 100MHZ		
L2002	945 086 7461	FILTER,EMI 100MHZ		
L2003	945 086 7461	FILTER,EMI 100MHZ		
L2006	945 001 5923	INDUCTOR,2.2U M		
L2007	945 001 5923	INDUCTOR,2.2U M		
L3801	945 068 8325	FILTER,EMI 20MHZ		

Electrical Parts List

Key No.	Part No.	Description
L3802	945 068 8325	FILTER,EMI 20MHZ
L5001	945 068 8325	FILTER,EMI 20MHZ
L5002	945 068 8325	FILTER,EMI 20MHZ
L5011	945 068 8325	FILTER,EMI 20MHZ
L5012	945 068 8325	FILTER,EMI 20MHZ
L5013	945 068 8325	FILTER,EMI 20MHZ
L5014	945 068 8325	FILTER,EMI 20MHZ
L5021	945 068 8325	FILTER,EMI 20MHZ
L5022	945 068 8325	FILTER,EMI 20MHZ
MISCELLANEOUS		
K20A	945 067 6124	TERMINAL,BOARD
	952 001 7932	TERMINAL, BOARD
K38A	652 002 8135	PLUG,D-SUB 9P
K50A	952 001 9585	JACK,RCA-2
K50B	945 076 2742	JACK,PHON D3.6
	652 002 1808	JACK,PHONE D3.6
	652 002 4847	JACK,PHONE D3.6
K50C	945 006 4792	JACK,PHONE D3.6
	952 001 0070	JACK,PHONE D3.6
	952 001 0971	JACK,PHONE D3.5
K97A	652 003 2774	SOCKET,DIN 3P
SC2001	945 076 3503	SURGE-ABSORBER
SC2002	945 076 3503	SURGE-ABSORBER
SC2003	945 076 3503	SURGE-ABSORBER
SC3801	945 076 3503	SURGE-ABSORBER
SC3802	945 076 3503	SURGE-ABSORBER
SC5001	945 076 3503	SURGE-ABSORBER
SC5002	945 076 3503	SURGE-ABSORBER
SC5011	945 076 3503	SURGE-ABSORBER
SC5012	945 076 3503	SURGE-ABSORBER
SC5013	945 076 3503	SURGE-ABSORBER
SC5014	945 076 3503	SURGE-ABSORBER
SC5021	945 076 3503	SURGE-ABSORBER
SC5022	945 076 3503	SURGE-ABSORBER
SC9701	945 076 3503	SURGE-ABSORBER

A6801 610 350 0119 ASSY,PWB,KEY KG8AC

TRANSISTOR

Q2811	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2812	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2813	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2814	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2816	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S

CAPACITOR

C2801	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2802	403 457 3311	CERAMIC	47U M	6.3V
	303 380 0114	CERAMIC	47U M	6.3V
C2803	303 453 8719	CERAMIC	470P K	50V
	303 453 9211	CERAMIC	470P K	50V
	303 282 5118	CERAMIC	470P K	50V
C2811	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C6801	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V

RESISTOR

R2801	301 225 1814	MT-GLAZE	47 JA	1/16W
R2802	301 224 8814	MT-GLAZE	100 JA	1/16W
R2811	301 224 8814	MT-GLAZE	100 JA	1/16W
R2812	301 224 8814	MT-GLAZE	100 JA	1/16W
R2814	301 229 3913	MT-GLAZE	180 JA	1/16W
R2816	301 229 3913	MT-GLAZE	180 JA	1/16W
R2818	301 229 3913	MT-GLAZE	180 JA	1/16W
R2819	301 229 3913	MT-GLAZE	180 JA	1/16W
R2822	301 225 8011	MT-GLAZE	330 JA	1/16W
R2823	301 225 8011	MT-GLAZE	330 JA	1/16W
R2826	301 229 3913	MT-GLAZE	180 JA	1/16W
R2827	301 229 3913	MT-GLAZE	180 JA	1/16W
R6801	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6803	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6806	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6808	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6811	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6813	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6816	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6818	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6821	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

DIODE

D2811	407 259 7515	LED SMLE12BC7TT86
D2812	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
	307 221 7119	ZENER DIODE UDZS-TE-1712B
	408 063 1802	ZENER DIODE MM3Z12B
D2813	407 264 6312	LED SMLE12Y8W T86
D2814	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
	307 221 7119	ZENER DIODE UDZS-TE-1712B
	408 063 1802	ZENER DIODE MM3Z12B
D2816	407 264 6510	LED SMLE12V8W T86
D2817	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
	307 221 7119	ZENER DIODE UDZS-TE-1712B
	408 063 1802	ZENER DIODE MM3Z12B
D2818	307 222 4810	LED SML-521MUW T86
D2819	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
	307 221 7119	ZENER DIODE UDZS-TE-1712B
	408 063 1802	ZENER DIODE MM3Z12B
D2821	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)

Electrical Parts List

Key No.	Part No.	Description		
	307 221 7119	ZENER DIODE UDZS-TE-1712B		
	408 063 1802	ZENER DIODE MM3Z12B		
MISCELLANEOUS				
A2801	645 102 3773	UNIT,REMOCON RECEIVER		
SW6801	945 026 2792	SWITCH,PUSH 1P-1TX1		
	952 001 8830	SWITCH,PUSH 1P-1TX1		
SW6802	945 026 2792	SWITCH,PUSH 1P-1TX1		
	952 001 8830	SWITCH,PUSH 1P-1TX1		
SW6803	945 026 2792	SWITCH,PUSH 1P-1TX1		
	952 001 8830	SWITCH,PUSH 1P-1TX1		
SW6804	945 026 2792	SWITCH,PUSH 1P-1TX1		
	952 001 8830	SWITCH,PUSH 1P-1TX1		
SW6806	945 026 2792	SWITCH,PUSH 1P-1TX1		
	952 001 8830	SWITCH,PUSH 1P-1TX1		
SW6807	945 026 2792	SWITCH,PUSH 1P-1TX1		
	952 001 8830	SWITCH,PUSH 1P-1TX1		
SW6808	945 026 2792	SWITCH,PUSH 1P-1TX1		
	952 001 8830	SWITCH,PUSH 1P-1TX1		
SW6809	945 026 2792	SWITCH,PUSH 1P-1TX1		
	952 001 8830	SWITCH,PUSH 1P-1TX1		
SW6811	945 026 2792	SWITCH,PUSH 1P-1TX1		
	952 001 8830	SWITCH,PUSH 1P-1TX1		
A8801	**610 350 0102**	**ASSY,PWB,TEMP SENSOR1 KG8AC**		
CAPACITOR				
C8801	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8911	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C8912	303 358 3215	CERAMIC	10U K	6.3V
	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
RESISTOR				
R8801	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8802	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8803	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8804	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8809	301 224 9019	MT-GLAZE	10K JA	1/16W
R8911	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8914	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8916	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8917	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
A8811	**610 350 0126**	**ASSY,PWB,TEMP SENSOR2 KG8AC**		
CAPACITOR				
C8811	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
RESISTOR				
R8811	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8812	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8813	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8818	301 224 9019	MT-GLAZE	10K JA	1/16W
R8819	301 224 9019	MT-GLAZE	10K JA	1/16W

Key No.	Part No.	Description		
A9701	**610 350 1161**	**ASSY,PWB,FANNET KG8AC**		
CAPACITOR				
C4751	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C701	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7702	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7703	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7704	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7705	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
C7706	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V
RESISTOR				
R7702	301 224 9019	MT-GLAZE	10K JA	1/16W
R7703	301 224 9019	MT-GLAZE	10K JA	1/16W
R7704	301 224 9019	MT-GLAZE	10K JA	1/16W
R7705	301 224 9019	MT-GLAZE	10K JA	1/16W
R7706	301 224 9019	MT-GLAZE	10K JA	1/16W
COIL				
L4751	645 092 3616	IMPEDANCE,22 OHM P		
L4752	945 041 1978	INDUCTOR,330 OHM		
L4753	645 092 3616	IMPEDANCE,22 OHM P		
L4754	645 092 3616	IMPEDANCE,22 OHM P		
L4756	645 092 3616	IMPEDANCE,22 OHM P		
L701	945 041 1978	INDUCTOR,330 OHM		
L702	645 092 3616	IMPEDANCE,22 OHM P		
L703	645 092 3616	IMPEDANCE,22 OHM P		
L704	645 092 3616	IMPEDANCE,22 OHM P		
L706	645 092 3616	IMPEDANCE,22 OHM P		
L707	645 092 3616	IMPEDANCE,22 OHM P		
L7702	945 041 1978	INDUCTOR,330 OHM		
L7703	945 041 1978	INDUCTOR,330 OHM		
L7704	945 041 1978	INDUCTOR,330 OHM		
L7705	945 041 1978	INDUCTOR,330 OHM		
L7706	945 041 1978	INDUCTOR,330 OHM		
DIODE				
D7702	307 163 0414	DIODE 1SS352-(TPH3)		
	307 149 0810	DIODE 1SS355-TE-17		
	408 062 7201	DIODE 1SS35		
D7703	307 163 0414	DIODE 1SS352-(TPH3)		
	307 149 0810	DIODE 1SS355-TE-17		
	408 062 7201	DIODE 1SS35		
D7704	307 163 0414	DIODE 1SS352-(TPH3)		
	307 149 0810	DIODE 1SS355-TE-17		
	408 062 7201	DIODE 1SS35		

Electrical Parts List

Key No.	Part No.	Description		
D7705	307 163 0414	DIODE 1SS352-(TPH3)		
	307 149 0810	DIODE 1SS355-TE-17		
	408 062 7201	DIODE 1SS35		
D7706	307 163 0414	DIODE 1SS352-(TPH3)		
	307 149 0810	DIODE 1SS355-TE-17		
	408 062 7201	DIODE 1SS35		
MISCELLANEOUS				
SC001	945 076 3503	SURGE-ABSORBER		
SC002	945 076 3503	SURGE-ABSORBER		
A601	**610 350 1406**	**ASSY,PWB,POWER.KG8AC**		
TRANSISTOR				
Q611	405 218 6002	TR 2SK3934 LBS1		
Q612	405 218 6002	TR 2SK3934 LBS1		
Q621	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q622	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q641	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q642	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q643	405 223 4406	TR 2S4085LS		
Q651	305 134 5928	TR 2SA1037AK-T146-R		
	305 147 2218	TR 2SA1037AK-S-T146		
	305 173 9618	TR 2SA1235A1E		
	305 173 9717	TR 2SA1235A1F		
	405 220 3115	TR ISA1235AC1E		
	405 220 3016	TR ISA1235AC1F		
INTEGRATED CIRCUIT				
IC621	409 690 7918	IC FA5550N		
IC631	309 653 7405	IC MR4010-7101		
IC671	409 692 2515	IC TA76L431FB		
CAPACITOR				
C611	303 222 1316	CERAMIC	1000P K	1K
C612	303 222 1316	CERAMIC	1000P K	1K
C613	303 371 8518	MT-POLYEST	1U K	400V
	303 427 2019	MT-POLYEST	1U K	400V
	303 451 4119	MT-POLYEST	1U K	450V
C614	303 371 8518	MT-POLYEST	1U K	400V
	303 427 2019	MT-POLYEST	1U K	400V
	303 451 4119	MT-POLYEST	1U K	450V
C615	404 115 2704	ELECT	330U M	420V
	404 115 6306	ELECT	330U M	420V
C621	303 336 3510	CERAMIC	0.47U K	16V
	403 459 8017	CERAMIC	0.47U K	16V
	304 110 9800	CERAMIC	0.47U K	16V
C622	303 356 5112	CERAMIC	0.047U K	50V
	303 323 3615	CERAMIC	0.047U K	50V
	304 091 4504	CERAMIC	0.047U K	50V
C623	303 215 2214	CERAMIC	0.01U K	50V
	303 224 6111	CERAMIC	0.01U K	50V
	304 090 1207	CERAMIC	0.01U K	50V
C625	303 215 2214	CERAMIC	0.01U K	50V
	303 224 6111	CERAMIC	0.01U K	50V
	304 090 1207	CERAMIC	0.01U K	50V
C626	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V
C627	303 113 4112	CERAMIC	2200P K	50V
	303 224 5817	CERAMIC	2200P K	50V
	304 091 3309	CERAMIC	2200P K	50V
C629	303 265 3216	CERAMIC	1000P J	50V
	303 357 8815	CERAMIC	1000P J	50V
	304 094 6505	CERAMIC	1000P J	50V
C631	303 157 4215	CERAMIC	220P J	50V
	303 235 1013	CERAMIC	220P J	50V
	304 094 7700	CERAMIC	220P J	50V
C632	303 245 4427	CERAMIC	470P K	2K
C633	303 265 3216	CERAMIC	1000P J	50V
	303 357 8815	CERAMIC	1000P J	50V
	304 094 6505	CERAMIC	1000P J	50V
C634	303 113 4112	CERAMIC	2200P K	50V
	303 224 5817	CERAMIC	2200P K	50V
	304 091 3309	CERAMIC	2200P K	50V
C641	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C644	303 417 9912	CERAMIC	4.7U K	25V
	303 452 5016	CERAMIC	4.7U K	25V
C651	303 410 7618	ELECT	220U M	35V
C653	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C654	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C661	303 445 4405	ELECT	1800U M	25V
C662	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C663	303 445 4405	ELECT	1800U M	25V
C671	303 367 0410	CERAMIC	0.1U K	50V
	303 370 1510	CERAMIC	0.1U K	50V
	304 091 2609	CERAMIC	0.1U K	50V
C672	303 410 7113	ELECT	100U M	25V
C673	303 410 7113	ELECT	100U M	25V
C674	403 477 6514	MT-POLYEST	0.01U J	630V
	403 478 9019	MT-POLYEST	0.01U J	630V
RESISTOR				
R611	401 353 0212	MT-GLAZE	360K JA	1/3W
R612	401 353 0311	MT-GLAZE	430K JA	1/3W
R613	301 256 6314	MT-GLAZE	47K JA	1/10W
R614	402 109 8206	RESISTER	0.15 JB	5W
R615	401 361 2611	MT-GLAZE	680K DA	1/4W
	402 122 0409	MT-GLAZE	680K DD	1/4W
R616	401 361 2611	MT-GLAZE	680K DA	1/4W
	402 122 0409	MT-GLAZE	680K DD	1/4W
R617	301 256 6314	MT-GLAZE	47K JA	1/10W

Electrical Parts List

Key No.	Part No.	Description		
R618	301 188 3313	MT-GLAZE	680K JA	1/4W
R619	301 256 0718	MT-GLAZE	33 JA	1/10W
R620	301 256 6512	MT-GLAZE	68 JA	1/10W
R621	301 326 1812	MT-GLAZE	8.2K DA	1/10W
R622	401 360 4616	MT-GLAZE	620 DA	1/10W
R623	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R624	301 162 2912	MT-GLAZE	220 JA	1/10W
R625	301 256 6512	MT-GLAZE	68 JA	1/10W
R626	301 256 0718	MT-GLAZE	33 JA	1/10W
R627	301 150 5918	MT-GLAZE	10K JA	1/10W
R628	301 150 5918	MT-GLAZE	10K JA	1/10W
R629	301 256 5812	MT-GLAZE	270K JA	1/10W
R631	301 255 7718	MT-GLAZE	11K JA	1/10W
R632	301 188 3313	MT-GLAZE	680K JA	1/4W
R633	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R634	301 256 1715	MT-GLAZE	33K JA	1/10W
R635	401 361 2710	MT-FILM	0.39 JA	1W
	402 122 1802	OXIDE-MT	0.39JA	1W
	302 099 6308	OXIDE-MT	0.39JA	1W
R636	301 162 3018	MT-GLAZE	22K JA	1/10W
R637	301 256 7212	MT-GLAZE	18K JA	1/10W
R638	301 256 6314	MT-GLAZE	47K JA	1/10W
R641	301 150 5918	MT-GLAZE	10K JA	1/10W
R642	301 256 6611	MT-GLAZE	68K JA	1/10W
R643	301 150 5918	MT-GLAZE	10K JA	1/10W
R644	301 150 5918	MT-GLAZE	10K JA	1/10W
R646	301 256 7212	MT-GLAZE	18K JA	1/10W
R648	301 256 7212	MT-GLAZE	18K JA	1/10W
R651	301 150 5918	MT-GLAZE	10K JA	1/10W
R652	301 113 2114	MT-GLAZE	22 JA	1/2W
R662	301 152 3219	MT-GLAZE	330 JA	1/10W
R665	301 242 2313	MT-GLAZE	82K JA	1/2W
R671	301 256 7618	MT-GLAZE	3.9K JA	1/10W
R672	301 150 6212	MT-GLAZE	1K JA	1/10W
R673	301 265 2611	MT-GLAZE	5.1K FA	1/10W
R674	301 265 4417	MT-GLAZE	6.8K FA	1/10W
R675	301 162 3711	MT-GLAZE	4.7K JA	1/10W
R676	301 264 6511	MT-GLAZE	2.2K FA	1/10W
R685	402 109 8206	RESISTER	0.15 JB	5W
R686	301 258 8217	MT-GLAZE	680 JA	1/3W
R687	302 080 8809	MT-GLAZE	680 KA	1W
R689	301 242 2313	MT-GLAZE	82K JA	1/2W
R690	301 242 2313	MT-GLAZE	82K JA	1/2W
R691	301 242 2313	MT-GLAZE	82K JA	1/2W
R692	301 162 2912	MT-GLAZE	220 JA	1/10W
R701	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R702	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R703	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R704	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R707	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R711	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R712	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R721	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
TRANSFORMER				
⚠T651	645 103 3536	TRANS,POWER,PULSE		
COIL				
⚠L611	945 081 4878	LINE FILTER		
L612	645 089 2561	INDUCTOR,700U		
L613	910 229 3532	CORE		
L614	910 229 3532	CORE		
L631	910 078 5954	PIPE CORE		
L661	910 229 3532	CORE		
DIODE				
D611	307 225 4401	DIODE FMX-G26S		
D611C	645 098 1715	CORE,FERRITE		
D611D	645 098 1715	CORE,FERRITE		
D612	307 163 0414	DIODE 1SS352-(TPH3)		
	307 149 0810	DIODE 1SS355-TE-17		
	408 062 7201	DIODE 1SS35		
D613	307 163 0414	DIODE 1SS352-(TPH3)		
	307 149 0810	DIODE 1SS355-TE-17		
	408 062 7201	DIODE 1SS35		
D631	307 163 0414	DIODE 1SS352-(TPH3)		
	307 149 0810	DIODE 1SS355-TE-17		
	408 062 7201	DIODE 1SS35		
D632	307 247 8827	DIODE RF101L2S		
D633	307 146 8116	DIODE EG01C		
D651	307 247 8827	DIODE RF101L2S		
D661	407 261 9504	DIODE YG862C10R		
D665	408 070 8702	THYRISTOR TFA87S LF675		
D666	307 146 8116	DIODE EG01C		
DB611	408 069 8904	DIODE RBV-1506 LF035-40		
MISCELLANEOUS				
⚠F631	424 007 3305	FUSE	250V	2.0A
⚠PC661	407 265 7813	PC TLP781F(D4-GB-TP7)		
⚠PC663	407 265 7813	PC TLP781F(D4-GB-TP7)		
⚠PC671	407 265 7813	PC TLP781F(D4-GB-TP7)		
PTH611	308 037 4603	THERMISTOR NTPDB8R0LD7B0		
PTH641	408 068 9803	TH PRF18BD471QB5RB		
ZD631	307 206 5413	ZD UDZS-TE-178.2B		

A602 610 350 1420 ASSY,PWB,LINE FILTER KG8AC

CAPACITOR				
⚠C601	404 113 2904	MT-POLYEST	0.33U K	275V
⚠C602	404 113 2904	MT-POLYEST	0.33U K	275V
⚠C603	304 104 9502	CERAMIC	1500P K	250V
⚠C604	304 104 9502	CERAMIC	1500P K	250V
⚠C605	404 113 2904	MT-POLYEST	0.33U K	275V
⚠C607	304 073 4508	CERAMIC	2200P K	250V
⚠C608	304 073 4508	CERAMIC	2200P K	250V
RESISTOR				
⚠R600	401 353 0212	MT-GLAZE	360K JA	1/3W
⚠R601	401 353 0311	MT-GLAZE	430K JA	1/3W
VARIABLE RESISTOR				
⚠VA601	408 066 1700	VD TND14SE471KB0SLAA0		
COIL				
⚠L601	945 050 2232	LINE FILTER		
⚠L602	945 050 2232	LINE FILTER		
MISCELLANEOUS				
⚠F601	323 025 1204	FUSE	250V	8A
⚠K601	645 093 1765	SOCKET,INLET AC 3P		

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description

(KG8AC) July / 2010 DC 50 Printed in Japan

SANYO Electric Co., Ltd.

Diagrams & Drawings

Schematic Diagrams
Printed Wiring Board Drawings

Model	Chassis No.
PDG-DWL2500	KG8-DWL250000

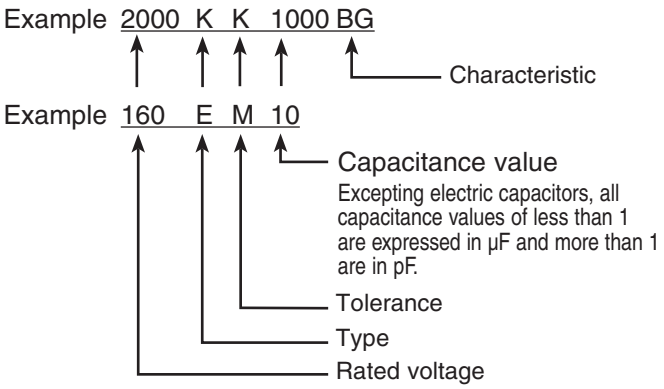
These schematic diagrams and printed wiring board drawings are part of the service manual original for chassis No. KG8-DWL250000 model PDG-DWL2500.
File with the service manual No. SM5111271-00

Note:
All the information of part numbers and values indicated on these diagrams are at the beginning of production. To improve the performance, there may be some differences to the actual set. When you order the service parts, use service parts code mentioned on the parts list in this service manual.

Parts description and reading in schematic diagram

1. The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
2. Some of transistors and diodes are indicated in mark for the substitution of parts name. Please check the parts name by the following code table.
3. Voltages and waveforms were taken with a video color bar signal (1Vp-p at 75 ohms terminated) and controls to normal.
4. Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading


Example 2000 K K 1000 BG
Characteristic
Example 160 E M 10
Capacitance value
Excepting electric capacitors, all capacitance values of less than 1 are expressed in µF and more than 1 are in pF.
Tolerance
Type
Rated voltage

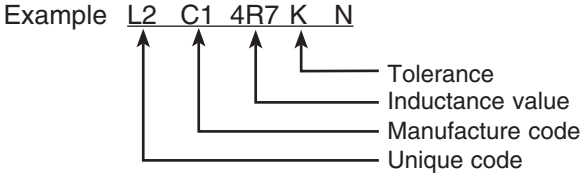
● **Material table**

Mark	Material
E	Electrolytic
P	Electrolytic (non-polarized)
C	Ceramic (temperature compensation)
K	Ceramic
F	Polyester
N	Polypropylene
M	Metalized polypropylene
H	Metalized polypromylar
B	Ceramic (semiconductor)
G	Metalized polyestel
Y	Composite film
S	Styrol
T	Tantalum oxide solid electrolytic
U	Organic semiconductive electrolyte
D	Electric double layer electrolytic

● **Tolerance table**

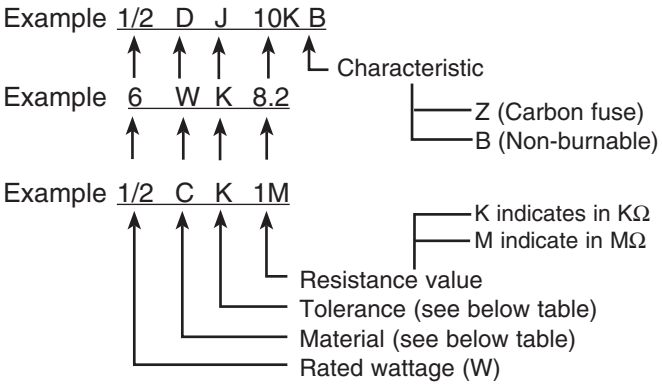
Mark	Tolerance	
A	not specified	
B	±0.1	
C	±0.25	
D	±0.5	
F	±1	
G	±2	
E	±2.5	
H	±3	
J	±5	
K	±10	
M	±20	
N	±30	
P	+100	-0
Q	+30	-10
T	+50	-10
U	+75	-10
V	+20	-10
W	+100	-10
X	+40	-20
Y	+150	-10
Z	+80	-20

Coil Reading



Mark	Tolerance (nH)	Mark	Tolerance (%)
C	±0.25	G	±2
D	±0.5	J	±5
S	±0.3	K	±10
A	±0.2	L	±15
		M	±20

Resistor Reading



Note: Resistor which is indicated with resistance value only are 1/6W carbon resistor. Resistor which is indicated with material, tolerance and value are 1/4W rated wattage.

● **Material table**

Mark	Material
D	Carbon
N	Metal film
S	Oxide metal film
C	Solid
G	Metal glaze
W	Wire wounding or cement
H	Ceramic
F	Fusible

● **Tolerance table**

Mark	Tolerance
A	±0.05
B	±0.1
C	±0.25
D	±0.5
F	±1
G	±2
J	±5
K	±10
M	±20
P	+5 -15
Z	used in 0 ohm

Diode/Transistor Type Reading

● **Diode**

Mark	Type number
R	1S2076A,1S2473,1N4148
AA	1S2076A,1S2473,1SS133,1N4148

● **Transistor**

(1) NPN type

Mark	Type number				
--	2SC536	2SC945A	2SC1815	2SC1740S	
AD	NF, NG	PA, QA	Y, GR	Q, R, S	
AE	NF, NG	PA, QA, RA	O, Y, GR	Q, R, S	

(2) PNP type

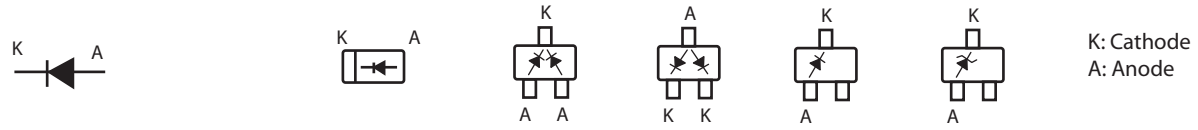
Mark	Type number				
--	2SA608	2SA564A	2SA1015	2SA933S	
AB	NF	R	Y, GR	R	
AC	NF	Q, R	O, Y, GR	Q, R	

(3) Chip type

Mark	Type number				
--	2SA1179N	2SA1037K	2SA1037AK	2SC2812/N	2SC2412K
AJ	M6, M7	R, S	R, S		
AH				L6, L7	R, S

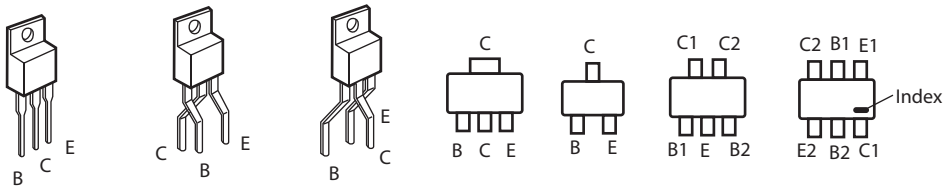
Pin description of diode, transistor and IC

● Diode



K: Cathode
A: Anode

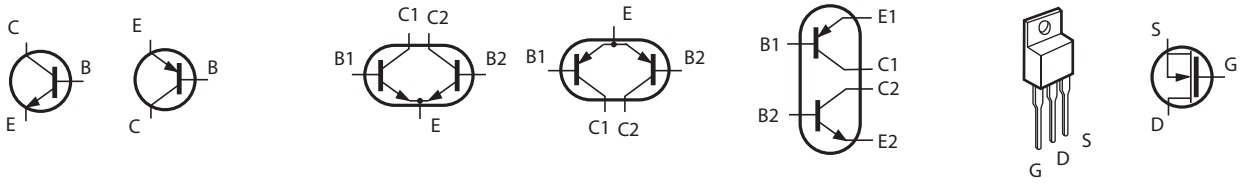
● Transistor/FET



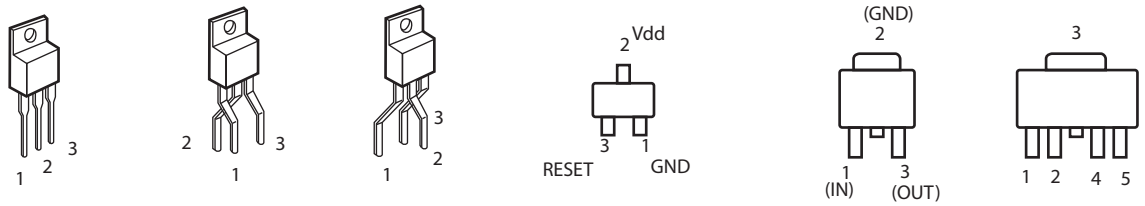
C: Collector
B: Base
E: Emitter

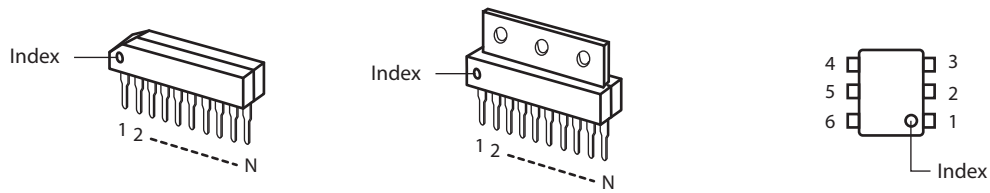
D: Drain
G: Gate
S: Source

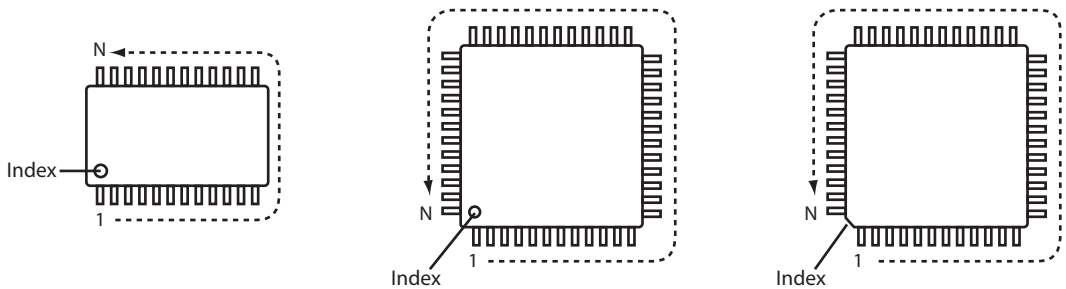
FET

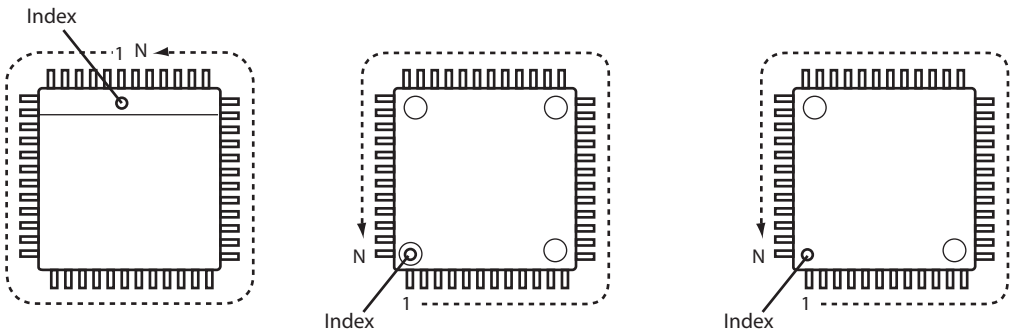


● IC









Note on Soldering

Do not use solder containing lead.

This product has been manufactured using lead-free solder in order to help preserve the environment.

Because of this, be sure to use lead-free solder when carrying out repair work, and never use solder containing lead.

Lead-free solder has a melting point that is 30–40 °C (86–104 °F) higher than solder containing lead, and moreover it does not contain lead which attaches easily to other metals. As a result, it does not melt as easily as solder containing lead, and soldering will be more difficult even if the temperature of the soldering iron is increased.

The extra difficulty in soldering means that soldering time will increase and damage to the components or the circuit board may easily occur.

Because of this, you should use a soldering iron and solder that satisfy the following conditions when carrying out repair work. Also, soldering work must be done in a short time.

Soldering iron

Use a soldering iron which is 70 W or equivalent, and which lets you adjust the tip temperature up to 450 °C (842 °F) It should also have as good temperature recovery characteristics as possible.

Solder

Use solder with the metal content and composition ratio by weight given in the table below. Do not use solders which do not meet these conditions.

Metal content	Tin (Sn)	Silver (Ag)	Copper (Cu)
Composition ratio by weight	96.5 %	3.0 %	0.5 %

Note:

If replacing existing solder containing lead with lead-free solder in the soldered parts of products that have been manufactured up until now, remove all of the existing solder at those parts before applying the lead-free solder.

Schematic Diagrams

PROJECTION LENS

LP900

A901A
1AA4W30650002

A901
LAMP BALLAST

Z47A&CN2
1AA6GBFBE1408

FILTER

W901
AC CORD

AC100-120V
AC100-240V

F.G.

SW902A
81N83K2R0

SW902
S40B0170N

SW902B
81N83K2R0

THERMOSTAT SW
(SET TO OPEN AT 120±5℃)

CW

CW SENSOR

DMD MODULE

K40A

K35C

K8C
J10ES046G

K8D
J11RC043G

K8B
J10QG505G

Z6R497A
1AA9KBABE280Z

POWER

POWER FACTOR CORRECTION

IC621
FA5550NG

P.F CONTROL
IC631
MR4010-7101

IC671
TA76L431FBP

HOT

COLD

充電部

非充電部

K6A&CN1
1LB9W03BC006A

K8A
J10EP121G

Z6R48A
1AA9CBGAC120Z

MAIN

A/V

K96A
J10XC300G

K96B
J10XE300G

Z6RB496A
1AA9HDFBE100Z

FAN NET

BALLAST

K47A
J10EK0500G

K47B
J10EB0300G

SW901
1AV4S10B8270N

COVER SW

FN902
1AV4M10B50500
INTAKE FAN
OF LAMP (TOP PART)

FN903
1AV4M10B50501
INTAKE FAN
OF LAMP (BOTTOM PART)

FN904
1AV4M5B48102
EXHAUST FAN
OF LAMP

FN905
1AV4M10B50400
EXHAUST FAN
OF POWER BOX

FN906
1AV4M10B50502
INTAKE FAN
OF COLOR WHEEL

SP901
1LB4A10R12700
10W 8ohm
53X43-21

AUDIO

K37B
J10XC3000

Z07B&68A
1AA9HDFBE300Z

TO:KEY UNIT

K8F
J10ES036G

FN901
1AV4M10B50400
INTAKE FAN
80X80X25

K8H
J10QF045G

Z6R&88H
1AA9HBSAF100Z

K88H
J10QF045G

TEMP SENSOR2
(DMD)

K8E
J10ES056G

Z6R&88E
1AA95AYBE100Z

K88E
J10ES056G

TEMP SENSOR1
(ROOM)

KEY

K98A
J10XC3000G

K98B
J10XE3000G

Z6RB498A
1AA9HDFBE300Z

TO:MAIN

Indication of Signals / 信号の表示について

Power Failure, Fan Failure Detection Signals
- NO POWER when one of those signals detects a failure.

電源異常、ファン異常検出信号
- 異常検出でスタンバイになります

Power Drive, Fan Drive Signals
- NO POWER when one of those signals has a failure.

電源ドライブ、ファンドライブ信号
- 異常発生でスタンバイになります

Switch Signals [AV switch, Mute, etc]
- NO PICTIER or NO SOUND when one of those signals has a failure.

各種スイッチ信号（AV切替、ミュートなど）
- 異常発生で映像出ず、音声出ずになります

CAUTION

Components indicated by a mark ⚠ in this schematic diagram have the special significance in the safety. It is therefore, particularly recommended that the replacement of those parts must be made by exactly the same parts. Must be used with a specified fuse. Unauthorized substitutions may result in fire or accident.
This projector is isolated from AC line by using the internal converter transformer. Please pay attention to the following notes in servicing.
1. Do not touch the part on hot side (primary circuit) or both parts on the hot and cold sides (secondary circuit) at the same time.
2. Do not shorten the circuit between hot and cold sides.
3. The grounding lead must be connected to the ground of the same circuit when measuring the voltages and waveform.

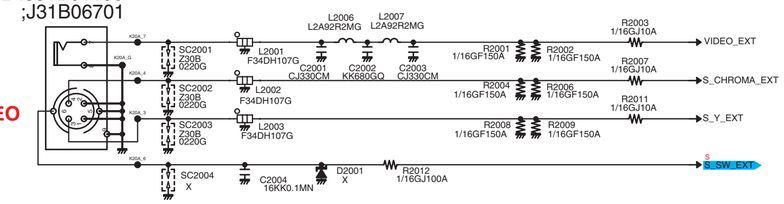
注　意

⚠ 印の部品は、安全上重要な部品です。交換をするときは安全および性能維持のため必ず指定の部品をご使用ください。
ヒューズは必ず指定品番のものをご使用ください。指定品番以外のヒューズを使用しますと事故や、火災の原因となります。
本機は充電部と非充電部のアースが異なりますので下記の事項にご注意ください。
1．充電部に触れたり、充電部と非充電部に同時に触れると感電することがあります。
2．充電部、非充電部の間を短絡しないでください。故障の原因になります。
3．測定器をつなぐ際、アースは測定点と同じ回路のアースから取ってください。

K20A
B4J31B01100
;J31B06701

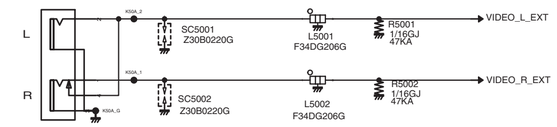
VIDEO

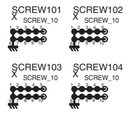
S-VIDEO



K50A
B4J12B11200

RCA AUDIO

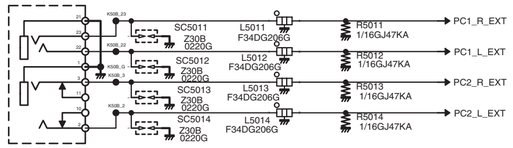




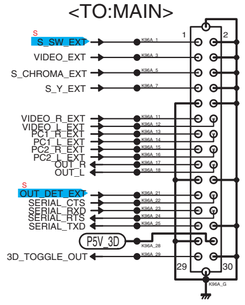
K50B
J12B4250N
;B4J12B11800
;B4J12B12300

PC1 AUDIO

PC2 AUDIO



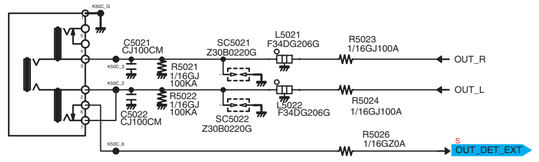
K96A
J10XC300G
<TO:MAIN>



MAIN "K96B"

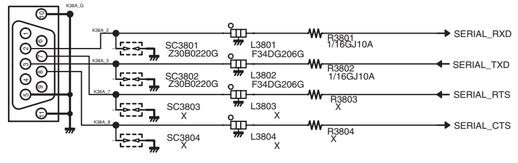
K50C
J12B06000
;B4J12B02100
;B4J12B02600

AUDIO _OUT



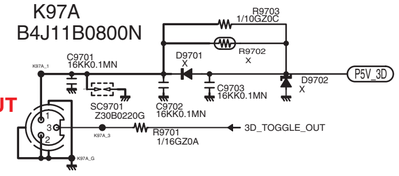
K38A
B4J10B0190N

CONTROL PORT (RS232C)



K97A
B4J11B0800N

3D SYNC OUT



A/V

INPUT1
RGB/
COMPONENT/
SCART

INPUT2
OUTPUT
RGB-IN/
RGB-OUT

HDMI

A/V
"K96A"

IC8001

IC8201

IC4001
AD8075ARUP

IC4021
TC7WH125FUK

SYNC OUT SW

DDC BUS-SW
IC4011
TC74HC4053AFT

IC4031
RD74LVC14BTELL
;74LVC14APW,18

IC5081
TC7WD125AFK

IC5101
NJM1156AVM
AUDIO SW

IC5151
TC7SZ125FUK

IC001
LV49152V-EP
AUDIO
OUTPUT

IC8151
PCM1754DBQRP

IC3811
ICL3232ECV
RS-232C
DRIVE

IC9711
TC7SZ125FUK

IC3821
TC7WH125FUK

IC3831
TC7WH125FUK

DDC BUS-SW
IC6202
TC74LVX4053FT

DDC MEMORY
IC6201
24LC21A/SNP

IC8281
BD7820FPP

IC8081
BD7820FPP

IC8071
XC6202P502MP

IC8001
SII9127ACTUM

HDMI RECEIVER

"K10A"

IC401

AD CONVRTETR

IC8201
2509209-0001

MAIN-1

SCREW

ON BOARD CONTACT	
L6 SIDE	L1 SIDE
TPG01 J30B2140G	TPG05 J30B2140G
TPG02 J30B2140G	TPG06 J30B2140G
TPG03 J30B2140G	TPG07 J30B2140G
TPG04 J30B2140G	TPG08 J30B2140G

UART_SELECT FUNCTION	
RS-232C to MCU	LOW
RS-232C to DDP	HIGH

KG8AC-03

SCH_KG8AC

A5

IC5851
TC7SH00FUP

IC5852
TC74VCX32FTP

PFAIL FUNCTION	
LOW	NORMAL OPERATION
HIGH	POWER-FAIL

IC8001
IC8201

OUTPUT DEVICE	OUTPUT BUSSES	INPUT DIGITAL VIDEO BUSSES
AFE1000	Blue	Red
	Green	Green
SII9127CTU	Red	Blue
	Red	Red
	Green	Green
	Blue	Blue

<TOP_VIEW>

IC401
2509006-0002
DLP DATA PROCESSOR

IIC BUS FUNCTION	
SCL0/SDA0	CONTROL, AFE1000 SYSTEM AUDIO(5V)
SCL1/SDA1	EEPROM for DDP2431
SCL2/SDA2	THERMO SENSOR (INPUT EQUALIZER) / FUN.CONTROL(5V)

DMD MODULE

IC1411
CY62157EV30LL
;IS62WV51216BLL

SRAM

IC1401
M29DW256G70NF6E

FLASH MEMORY

IC1491
TC7SZ125FUK

IC1492
TC7PA05FU

IC491
PST413A300NR

K401A
J10ES096G

K401B

K401C

IC9801
TC7SZ125FUK

K38C
J11B3652N

USB-B

IC1421
EDE5116AJBG
;A3R12E4JFF

DDR2 MEMORY

IC1431
24LC64T

CONTROL MEMORY

IC1451
PQ1DX095MZPQ

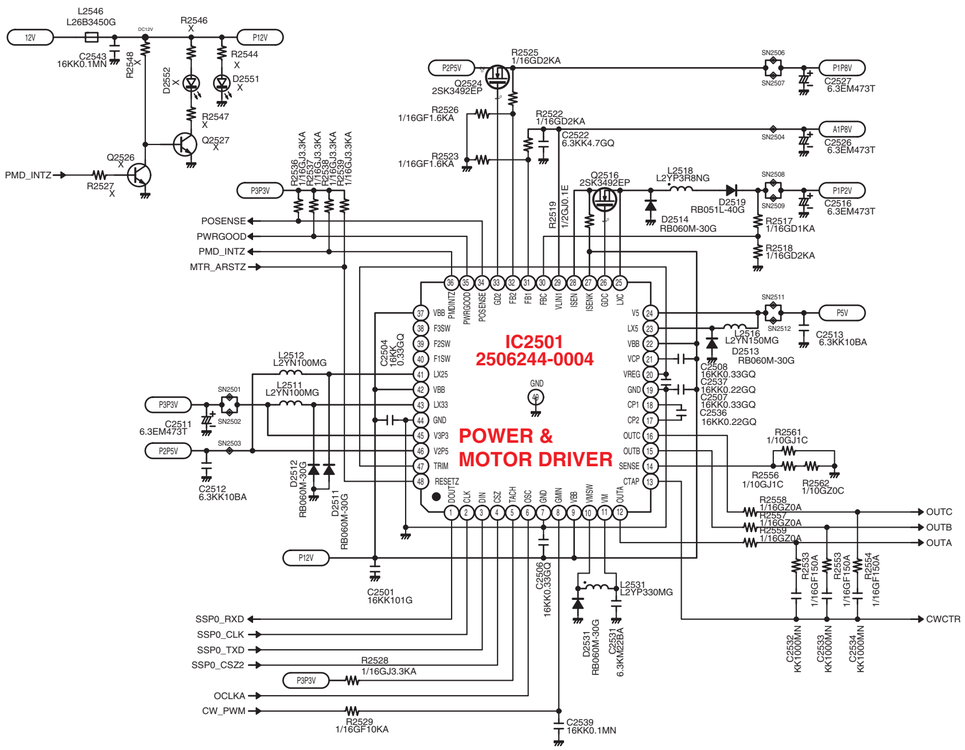
FROM K8E

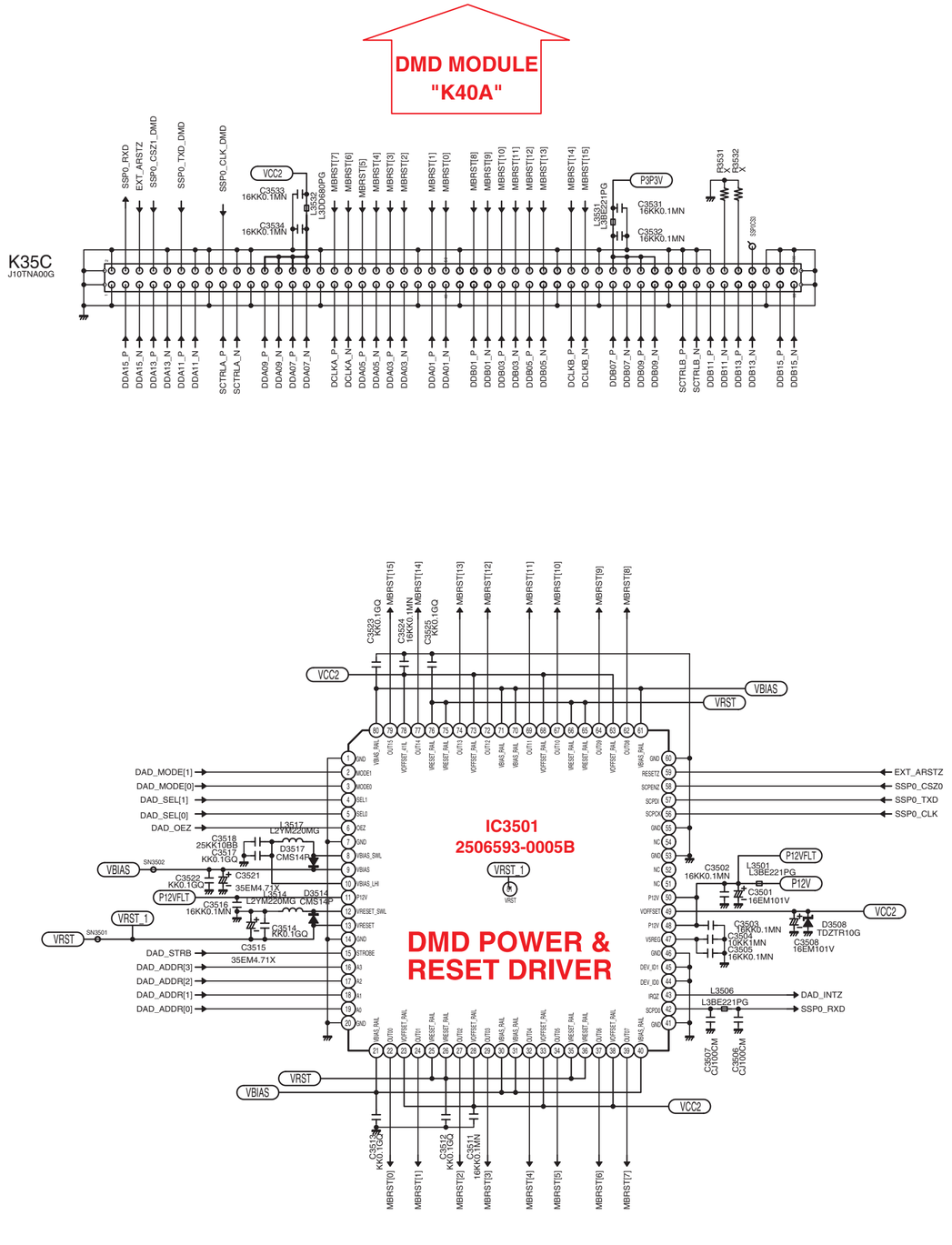
MAIN-2

KG8AC-04

A6

SCH_KG8AC


L2546
L26B3450G
12V
P12V
C2543
16KK0.1MN
R2548
R2546
R2544
R2551
D2552
D2551
R2547
Q2527
Q2526
PMD_INTZ
R2527
P3P3V
R2538
R2537
R2536
R2535
R2534
1/16GJ3.3KA
POSENSE
PWRGOOD
PMD_INTZ
MTR_ARSTZ
P2P5V
Q2524
2SK3492EP
R2525
1/16GD2KA
R2526
1/16GF1.6KA
R2523
1/16GF1.6KA
R2522
1/16GD2KA
C2522
6.3KK4.7GQ
Q2516
2SK3492EP
L2518
L2YP3R6NG
D2519
RB051L-40G
D2514
RB060M-30G
R2519
1/25L0.1E
R2517
1/16GD1KA
R2518
1/16GD2KA
SN2506
SN2507
P1P8V
C2527
6.3EM473T
SN2504
A1P8V
C2526
6.3EM473T
SN2508
SN2509
P1P2V
C2516
6.3EM473T
IC2501
2506244-0004
POWER &
MOTOR DRIVER
GND
SN2511
SN2512
P5V
C2513
6.3KK10BA
L2516
L2YN150MG
D2513
RB060M-30G
C2508
16KK0.33GQ
C2507
16KK0.22GQ
C2505
16KK0.33GQ
C2536
16KK0.22GQ
C2504
16KK
0.33GQ
L2512
L2YN100MG
L2511
L2YN100MG
SN2501
SN2502
SN2503
P3P3V
P2P5V
C2511
6.3EM473T
C2512
6.3KK10BA
D2512
RB060M-30G
D2511
RB060M-30G
R2561
1/10GJ1C
R2556
1/10GJ1C
R2562
1/10GZ0C
R2558
1/16GZ0A
R2557
1/16GZ0A
R2559
1/16GZ0A
OUTC
OUTB
OUTA
P12V
C2501
16KK101G
C2506
16KK0.33GQ
L2531
L2YP330MG
D2531
RB060M-30G
C2531
6.3KK228A
R2552
1/16GF150A
R2553
1/16GF150A
R2554
1/16GF150A
C2532
KK1000MN
C2533
KK1000MN
C2534
KK1000MN
CWCTR
SSP0_RXD
SSP0_CLK
SSP0_TXD
SSP0_CSZ2
R2528
1/16GJ3.3KA
P3P3V
OCLKA
CW_PWM
R2529
1/16GF10KA
C2539
16KK0.1MN


DMD MODULE
"K40A"
K35C
J10TNA00G
SSP0_RXD
EXT_ARSTZ
SSP0_CSZ1_DMD
SSP0_TXD_DMD
SSP0_CLK_DMD
VCC2
C3533
16KK0.1MN
L3532
L3UD080PG
C3534
16KK0.1MN
MBRST[7]
MBRST[6]
MBRST[5]
MBRST[4]
MBRST[3]
MBRST[2]
MBRST[1]
MBRST[0]
MBRST[8]
MBRST[9]
MBRST[10]
MBRST[11]
MBRST[12]
MBRST[13]
MBRST[14]
MBRST[15]
P3P3V
L3531
L3BE221PG
C3531
16KK0.1MN
C3532
16KK0.1MN
R3531
1K
R3532
1K
S3P0S3
DDA15_P
DDA15_N
DDA13_P
DDA13_N
DDA11_P
DDA11_N
SCTRLA_P
SCTRLA_N
DDA09_P
DDA09_N
DDA07_P
DDA07_N
DCLKA_P
DCLKA_N
DDA05_P
DDA05_N
DDA03_P
DDA03_N
DDA01_P
DDA01_N
DDB01_P
DDB01_N
DDB03_P
DDB03_N
DDB05_P
DDB05_N
DCLKB_P
DCLKB_N
DDB07_P
DDB07_N
DDB09_P
DDB09_N
SCTRLB_P
SCTRLB_N
DDB11_P
DDB11_N
DDB13_P
DDB13_N
DDB15_P
DDB15_N
C3523
KK0.1GQ
C3524
16KK0.1MN
C3525
KK0.1GQ
VBIAS
VRST
DAD_MODE[1]
DAD_MODE[0]
DAD_SEL[1]
DAD_SEL[0]
DAD_OEZ
L3517
L2YM220MG
C3518
25KK10BB
C3517
KK0.1GQ
D3517
CMS14F
VBIAS
SN3502
C3522
KK0.1GQ
C3521
35EM4.71X
P12VFLT
C3516
16KK0.1MN
D3514
CMS14F
L3514
L2YM220MG
VRST_1
SN3501
VRST
C3514
KK0.1GQ
C3515
35EM4.71X
DAD_STRB
DAD_ADDR[3]
DAD_ADDR[2]
DAD_ADDR[1]
DAD_ADDR[0]
IC3501
2506593-0005B
VRST_1
VRST
DMD POWER &
RESET DRIVER
EXT_ARSTZ
SSP0_CSZ0
SSP0_TXD
SSP0_CLK
L3502
16KK0.1MN
L3501
L3BE221PG
P12VFLT
P12V
C3501
16EM101V
VCC2
C3503
16KK0.1MN
D3508
TDZTR10G
C3504
10KK1MN
C3505
16KK0.1MN
C3508
TDZTR10G
L3506
L3BE221PG
DAD_INTZ
SSP0_RXD
C3507
C3506M
C3506
C3100CM
MBRST[0]
MBRST[1]
MBRST[2]
MBRST[3]
MBRST[4]
MBRST[5]
MBRST[6]
MBRST[7]

MAIN-3

POWER

IC5611
FA7701VG

IC5631
FA7703V

<FAN>

<AUDIO>

SUB-MICOM

IC4501
LC87F2G08AUSSOP

IC4511
TC7S04FP

"K8B"

LAN

IC8301
PIC18F67J60-I

WIRED
NETWORK

IC8302
24AA64T

IC8303
LE25FU106BMA

DAC
IC7881
M62393FPP

IC7811
PQ20WZ11P

IC7821
PQ20WZ11P

IC7831
PQ20WZ11P

IC7841
PQ20WZ11P

IC7851
PQ20WZ11P

IC7861
PQ20WZ11P

DMD TEMP.

TEMP SENSOR

FAN1

IC8821
MCP9801T

TEMP SENSOR(B)
(LAMP)

TEMP SENSOR2

IC8811
MCP9801T

TEMP SENSOR(C)
(DMD)

TEMP SENSOR1

ACCELARATION
SENSOR

TEMP SENSOR(A)
(ROOM)

IC8801
MCP9801T

IC8911
LIS331DLHTRJ

FN901

TPINDEX

IC2571
UPC393GR

CW
SENSOR
"K67A"

CW

IC2851
74LVC14PW,118
;RD74LVC14BTELL

IC4701
74LVC14PW,118
;RD74LVC14BTELL

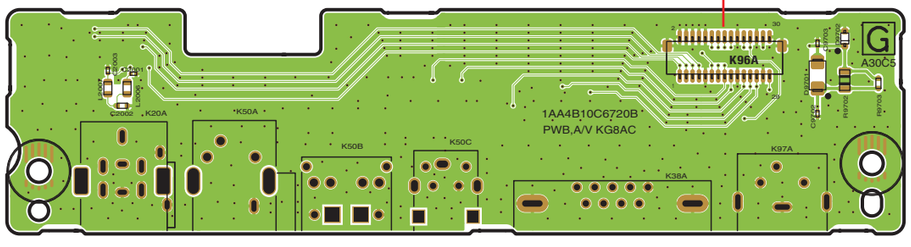
IC4721
TC7SET00FUP

FANNET
"K07A"

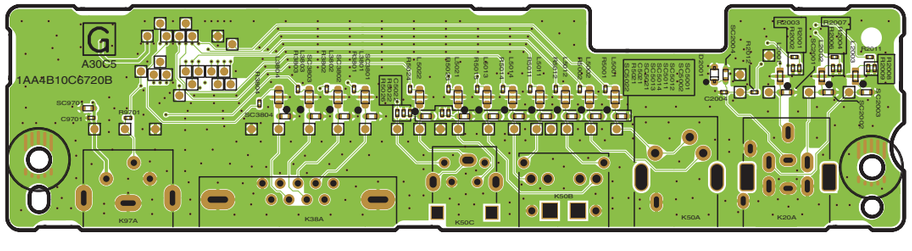
MAIN-4

Printed Wiring Board Diagrams

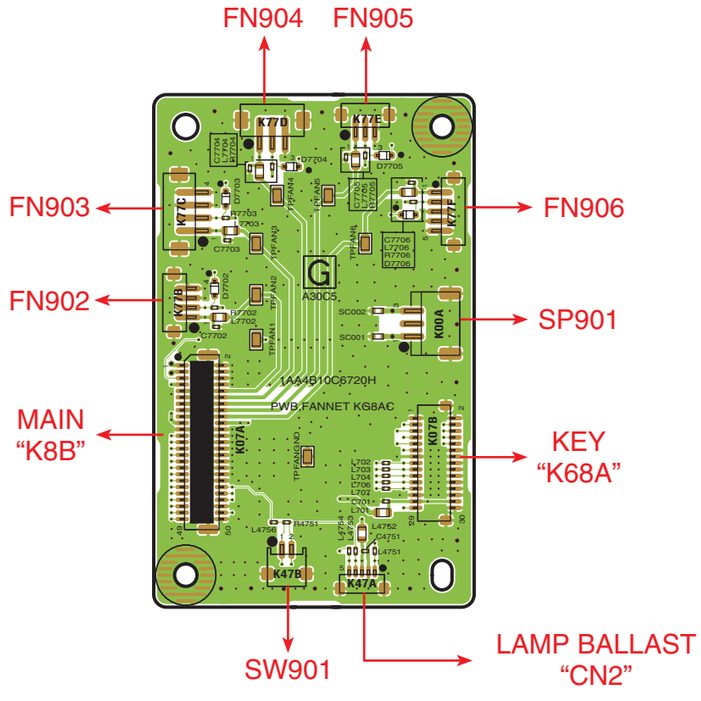
A/V (SIDE:A)



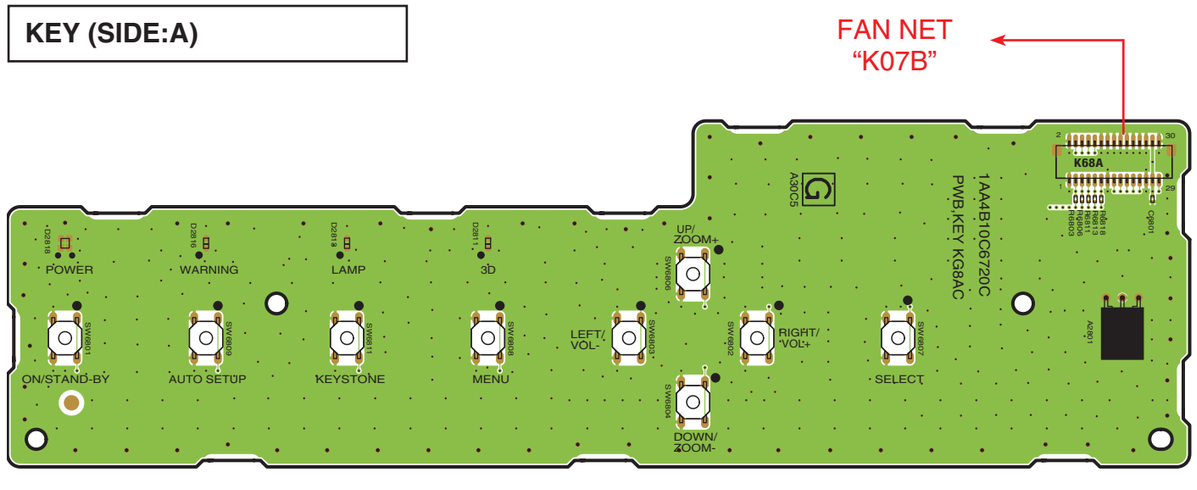
A/V (SIDE:B)



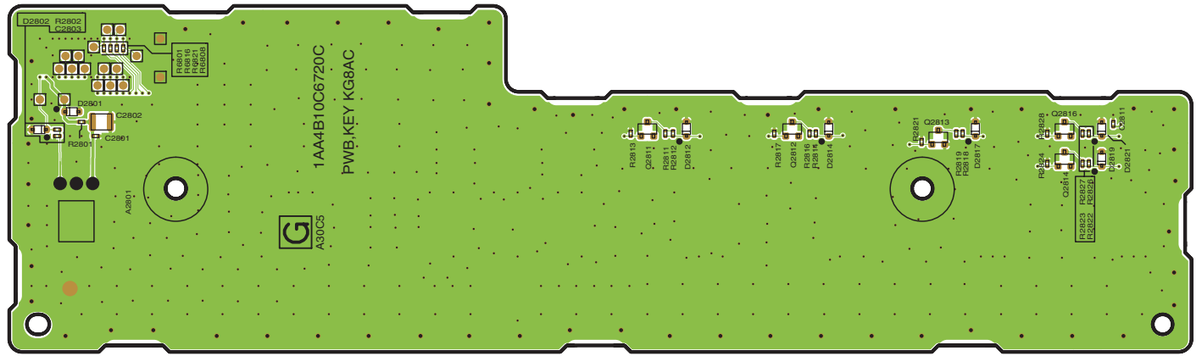
FAN NET (SIDE:A)



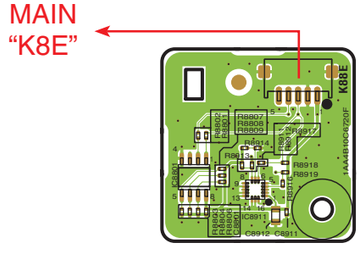
KEY (SIDE:A)



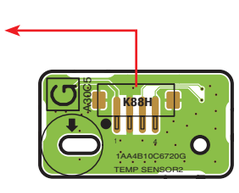
KEY (SIDE:B)



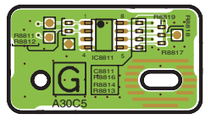
TEMP SENSOR1 (SIDE:A)



TEMP SENSOR2 (SIDE:A)



TEMP SENSOR2 (SIDE:B)

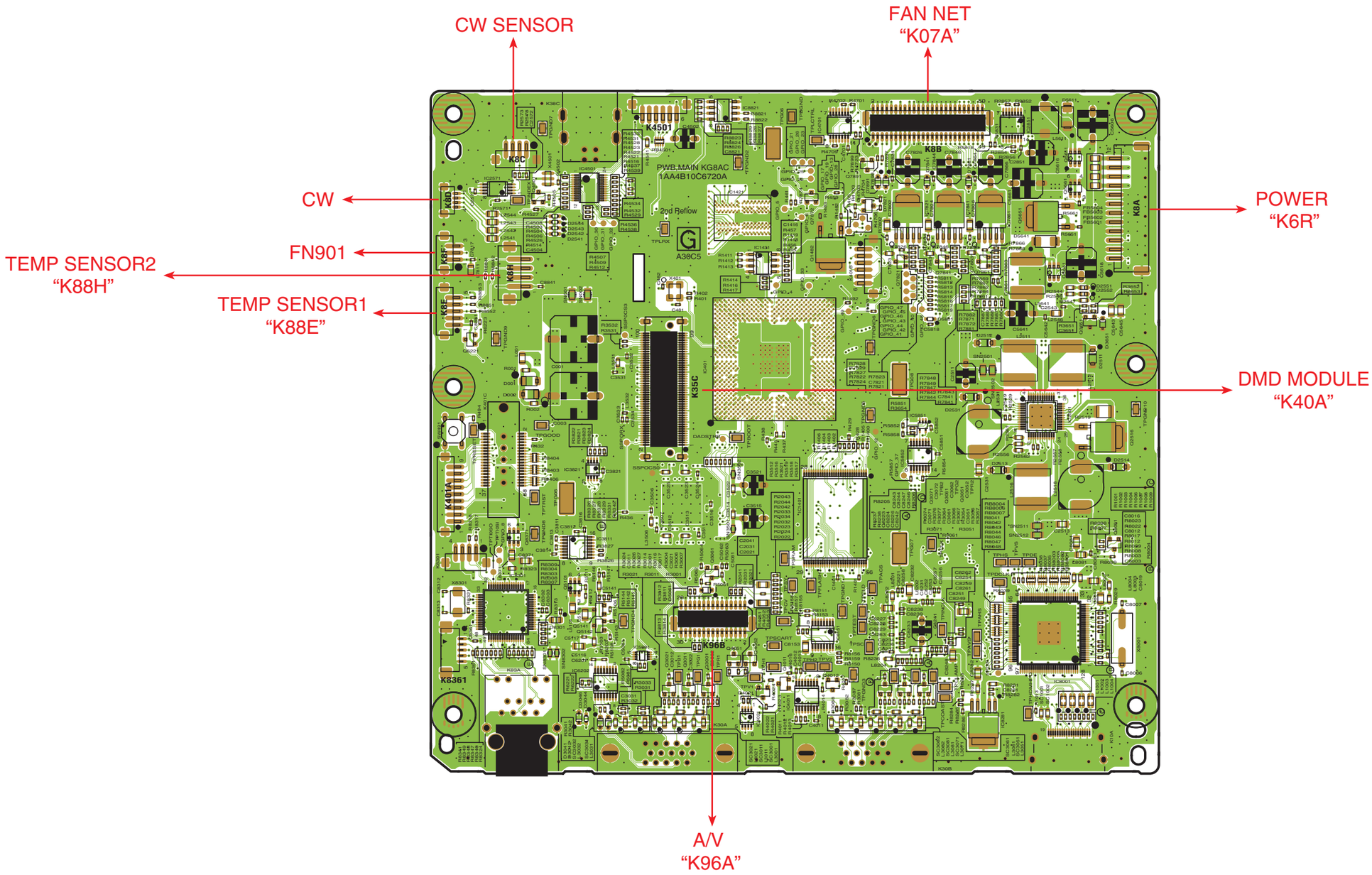


⚠ CAUTION

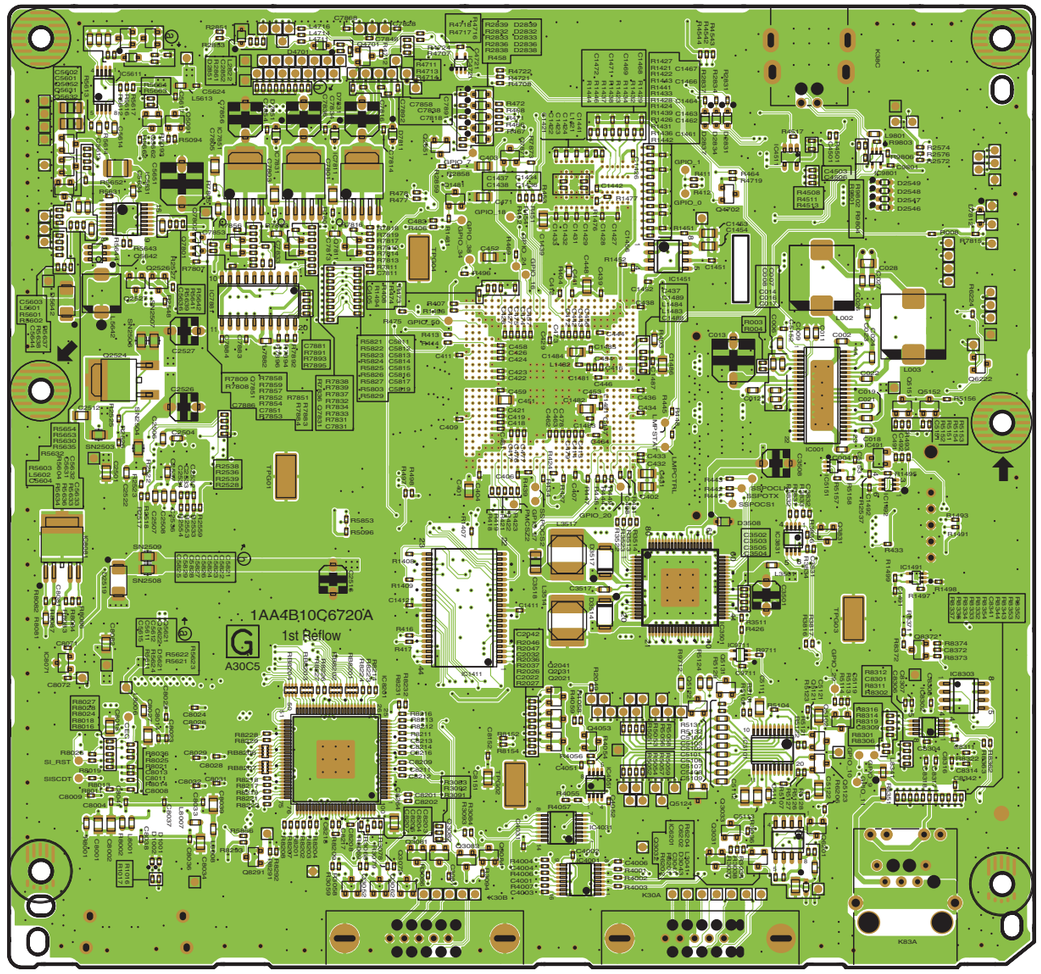
This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing

1. Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
2. Do not shorten the circuit between hot and cold sides.
3. The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.

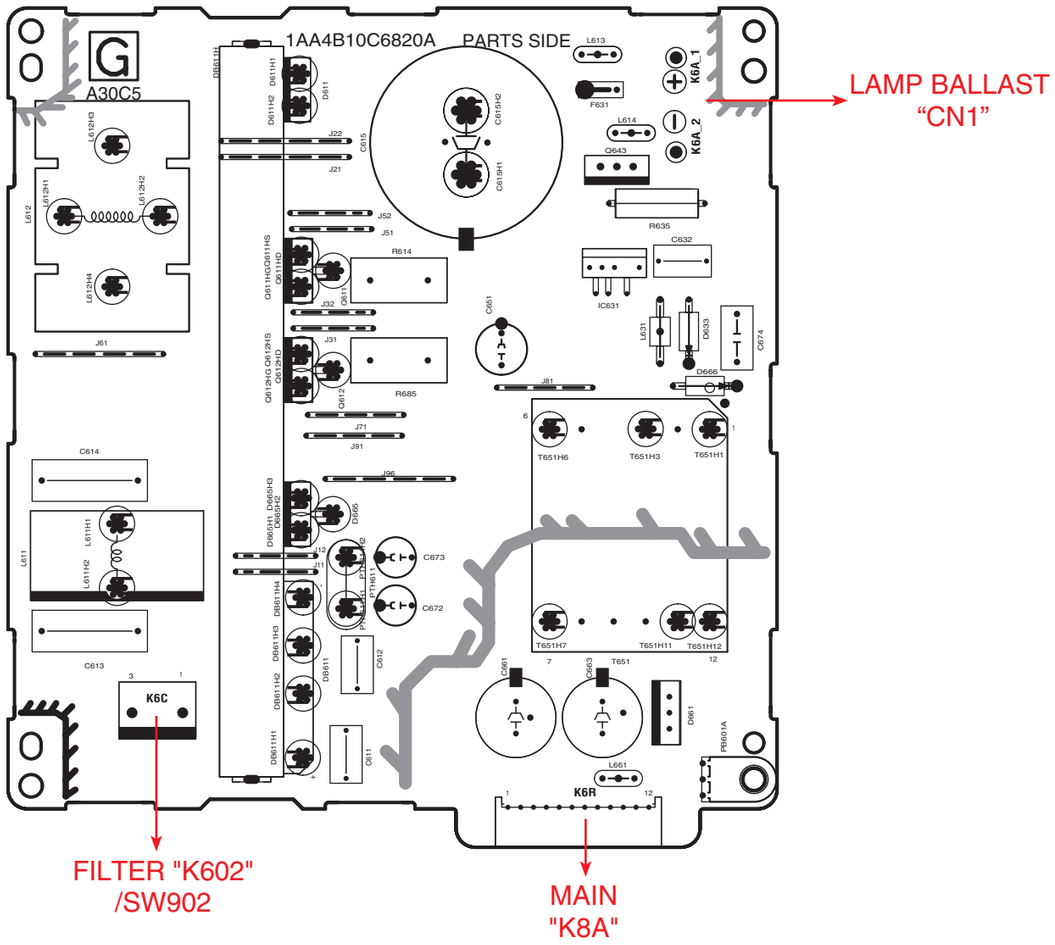
MAIN (SIDE:A)


CW SENSOR
FAN NET
“K07A”
CW
FN901
TEMP SENSOR2
“K88H”
TEMP SENSOR1
“K88E”
POWER
“K6R”
DMD MODULE
“K40A”
A/V
“K96A”
PWB,MAIN KG8AC
1AA4B10C6720A
2nd Reflow
A38C5
K4501
K8C
K8D
K8F
K8E
K8B
K8A
K35C
K41A
K8361
K96B
K30A
K30B

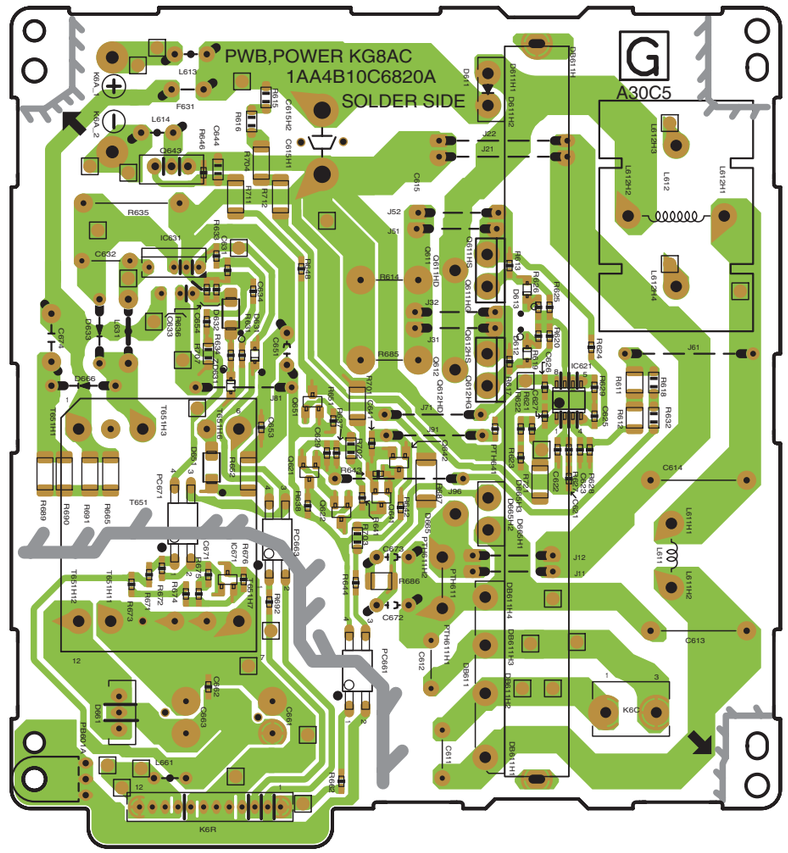
MAIN (SIDE:B)



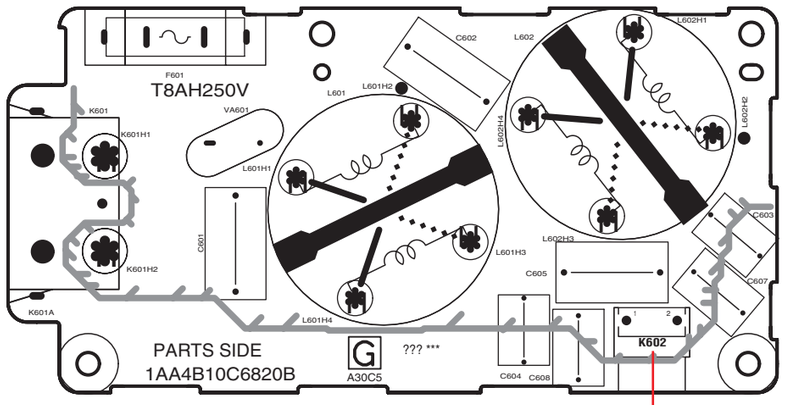
POWER (SIDE:A)



POWER (SIDE:B)



FILTER (SIDE:A)



FILTER (SIDE:B)